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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	8	0.43
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	6	0.43
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	7	0.43
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	5	0.43
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	11	0.43
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	3	0.43
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	3	0.43
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	3	0.43
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	3	0.43
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	3	0.43
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	3	0.43
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	3	0.43
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	3	0.43
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	3	0.43
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	7	0.43
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	7	0.43
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	7	0.43
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	7	0.43
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	7	0.43
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	7	0.43
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	7	0.43
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	7	0.43
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	7	0.43
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	19	0.43
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	11	0.43
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	11	0.43
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	11	0.43
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	7	0.43
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	14	0.43
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	16	0.43
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	1	0.43
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	8	0.43
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	17	0.43
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	18	0.43
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	2	0.43
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	10	0.43
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	12	0.43
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD11	15	0.42
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD12	15	0.42
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD13	15	0.42
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD11	20	0.42
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD12	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD13	20	0.42
(1,788)	1:54:A:ILE:HD11	1:55:A:GLY:H	15	0.42
(1,788)	1:54:A:ILE:HD12	1:55:A:GLY:H	15	0.42
(1,788)	1:54:A:ILE:HD13	1:55:A:GLY:H	15	0.42
(1,788)	1:54:A:ILE:HD11	1:55:A:GLY:H	20	0.42
(1,788)	1:54:A:ILE:HD12	1:55:A:GLY:H	20	0.42
(1,788)	1:54:A:ILE:HD13	1:55:A:GLY:H	20	0.42
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	1	0.42
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	14	0.42
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD1	7	0.42
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD2	7	0.42
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD1	7	0.42
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD2	7	0.42
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD1	7	0.42
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD2	7	0.42
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	6	0.42
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	14	0.42
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD11	7	0.42
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD12	7	0.42
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD13	7	0.42
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD11	7	0.42
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD12	7	0.42
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD13	7	0.42
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	16	0.42
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	16	0.42
(1,675)	1:51:A:TYR:HB2	1:20:A:VAL:H	17	0.42
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	13	0.42
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	13	0.42
(1,611)	1:47:A:LYS:H	1:41:A:LEU:HD11	17	0.42
(1,611)	1:47:A:LYS:H	1:41:A:LEU:HD12	17	0.42
(1,611)	1:47:A:LYS:H	1:41:A:LEU:HD13	17	0.42
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	17	0.42
(1,592)	1:47:A:LYS:HA	1:28:A:SER:HB3	2	0.42
(1,576)	1:46:A:LYS:HA	1:46:A:LYS:HD3	10	0.42
(1,563)	1:45:A:ASN:HB2	1:41:A:LEU:HD21	11	0.42
(1,563)	1:45:A:ASN:HB2	1:41:A:LEU:HD22	11	0.42
(1,563)	1:45:A:ASN:HB2	1:41:A:LEU:HD23	11	0.42
(1,556)	1:45:A:ASN:HB3	1:41:A:LEU:HD21	4	0.42
(1,556)	1:45:A:ASN:HB3	1:41:A:LEU:HD22	4	0.42
(1,556)	1:45:A:ASN:HB3	1:41:A:LEU:HD23	4	0.42
(1,497)	1:40:A:GLY:HA3	1:51:A:TYR:HD1	9	0.42
(1,497)	1:40:A:GLY:HA3	1:51:A:TYR:HD2	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	2	0.42
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	9	0.42
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	14	0.42
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	15	0.42
(1,416)	1:34:A:PRO:HB2	1:37:A:CYS:H	16	0.42
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	14	0.42
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	14	0.42
(1,390)	1:32:A:GLU:HB2	1:27:A:THR:H	7	0.42
(1,365)	1:30:A:GLN:HG3	1:31:A:ASN:H	7	0.42
(1,342)	1:28:A:SER:HA	1:41:A:LEU:HD11	14	0.42
(1,342)	1:28:A:SER:HA	1:41:A:LEU:HD12	14	0.42
(1,342)	1:28:A:SER:HA	1:41:A:LEU:HD13	14	0.42
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	14	0.42
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	14	0.42
(1,291)	1:24:A:LYS:HG2	1:25:A:ASN:H	8	0.42
(1,259)	1:22:A:CYS:HB2	1:24:A:LYS:H	15	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG21	2	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG22	2	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG23	2	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG21	7	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG22	7	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG23	7	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG21	17	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG22	17	0.42
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG23	17	0.42
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	11	0.42
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	11	0.42
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	11	0.42
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	11	0.42
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	11	0.42
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	11	0.42
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	11	0.42
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	11	0.42
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	11	0.42
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	13	0.42
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	13	0.42
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	13	0.42
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	13	0.42
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	13	0.42
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	13	0.42
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	13	0.42
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	13	0.42
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	12	0.42
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	7	0.42
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	7	0.42
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	7	0.42
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	9	0.42
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	9	0.42
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	9	0.42
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	9	0.42
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	8	0.42
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	8	0.42
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	8	0.42
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	9	0.42
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	9	0.42
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	9	0.42
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	2	0.42
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	4	0.42
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	5	0.42
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	20	0.42
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	18	0.42
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	18	0.42
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	18	0.42
(1,53)	1:28:A:SER:HA	1:29:A:GLY:H	1	0.42
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	5	0.42
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	12	0.42
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	13	0.42
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	1	0.42
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	3	0.42
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	5	0.42
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	8	0.42
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	11	0.42
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	14	0.42
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD11	10	0.41
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD12	10	0.41
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD13	10	0.41
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD11	18	0.41
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD12	18	0.41
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD13	18	0.41
(1,788)	1:54:A:ILE:HD11	1:55:A:GLY:H	10	0.41
(1,788)	1:54:A:ILE:HD12	1:55:A:GLY:H	10	0.41
(1,788)	1:54:A:ILE:HD13	1:55:A:GLY:H	10	0.41
(1,788)	1:54:A:ILE:HD11	1:55:A:GLY:H	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:54:A:ILE:HD12	1:55:A:GLY:H	18	0.41
(1,788)	1:54:A:ILE:HD13	1:55:A:GLY:H	18	0.41
(1,778)	1:54:A:ILE:HB	1:20:A:VAL:HG21	16	0.41
(1,778)	1:54:A:ILE:HB	1:20:A:VAL:HG22	16	0.41
(1,778)	1:54:A:ILE:HB	1:20:A:VAL:HG23	16	0.41
(1,722)	1:52:A:LYS:HD2	1:52:A:LYS:H	10	0.41
(1,722)	1:52:A:LYS:HD3	1:52:A:LYS:H	10	0.41
(1,722)	1:52:A:LYS:HD2	1:52:A:LYS:H	14	0.41
(1,722)	1:52:A:LYS:HD3	1:52:A:LYS:H	14	0.41
(1,716)	1:52:A:LYS:HB2	1:38:A:PHE:H	15	0.41
(1,716)	1:52:A:LYS:HB3	1:38:A:PHE:H	15	0.41
(1,705)	1:51:A:TYR:H	1:40:A:GLY:H	20	0.41
(1,699)	1:51:A:TYR:HE1	1:38:A:PHE:HD1	6	0.41
(1,699)	1:51:A:TYR:HE1	1:38:A:PHE:HD2	6	0.41
(1,699)	1:51:A:TYR:HE2	1:38:A:PHE:HD1	6	0.41
(1,699)	1:51:A:TYR:HE2	1:38:A:PHE:HD2	6	0.41
(1,696)	1:51:A:TYR:HE1	1:38:A:PHE:HD1	6	0.41
(1,696)	1:51:A:TYR:HE1	1:38:A:PHE:HD2	6	0.41
(1,696)	1:51:A:TYR:HE2	1:38:A:PHE:HD1	6	0.41
(1,696)	1:51:A:TYR:HE2	1:38:A:PHE:HD2	6	0.41
(1,589)	1:47:A:LYS:HA	1:26:A:CYS:H	15	0.41
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD11	3	0.41
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD12	3	0.41
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD13	3	0.41
(1,488)	1:38:A:PHE:HZ	1:17:A:PHE:HZ	4	0.41
(1,488)	1:38:A:PHE:HZ	1:17:A:PHE:HZ	15	0.41
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	17	0.41
(1,416)	1:34:A:PRO:HB2	1:37:A:CYS:H	10	0.41
(1,416)	1:34:A:PRO:HB2	1:37:A:CYS:H	11	0.41
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	5	0.41
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	10	0.41
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD11	5	0.41
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD12	5	0.41
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD13	5	0.41
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD11	5	0.41
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD12	5	0.41
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD13	5	0.41
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD11	5	0.41
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD12	5	0.41
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD13	5	0.41
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD11	16	0.41
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD12	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD13	16	0.41
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD11	16	0.41
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD12	16	0.41
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD13	16	0.41
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD11	16	0.41
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD12	16	0.41
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD13	16	0.41
(1,260)	1:22:A:CYS:HB2	1:50:A:CYS:HA	2	0.41
(1,247)	1:21:A:SER:H	1:23:A:ASN:H	11	0.41
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	15	0.41
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	15	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG21	6	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG22	6	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG23	6	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG21	12	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG22	12	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG23	12	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG21	14	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG22	14	0.41
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG23	14	0.41
(1,178)	1:18:A:ASP:HB3	1:54:A:ILE:HG21	3	0.41
(1,178)	1:18:A:ASP:HB3	1:54:A:ILE:HG22	3	0.41
(1,178)	1:18:A:ASP:HB3	1:54:A:ILE:HG23	3	0.41
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	1	0.41
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	1	0.41
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	1	0.41
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	1	0.41
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	1	0.41
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	1	0.41
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	7	0.41
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	8	0.41
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	12	0.41
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	3	0.41
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	3	0.41
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	3	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	3	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	3	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	3	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	3	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	3	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	3	0.41
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	10	0.41
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	10	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	10	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	10	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	10	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	10	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	10	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	10	0.41
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	14	0.41
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	14	0.41
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	14	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	14	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	14	0.41
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	14	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	14	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	14	0.41
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	14	0.41
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	2	0.41
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	8	0.41
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	12	0.41
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	12	0.41
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	12	0.41
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	12	0.41
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	12	0.41
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	12	0.41
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	12	0.41
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	12	0.41
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	12	0.41
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	16	0.41
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	9	0.41
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	12	0.41
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	12	0.41
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	18	0.41
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	13	0.41
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	14	0.41
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	19	0.41
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	7	0.41
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	13	0.41
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	17	0.41
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD11	17	0.4
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD12	17	0.4
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD13	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:54:A:ILE:HG13	1:55:A:GLY:H	16	0.4
(1,788)	1:54:A:ILE:HD11	1:55:A:GLY:H	17	0.4
(1,788)	1:54:A:ILE:HD12	1:55:A:GLY:H	17	0.4
(1,788)	1:54:A:ILE:HD13	1:55:A:GLY:H	17	0.4
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	10	0.4
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	1	0.4
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	3	0.4
(1,608)	1:47:A:LYS:HG3	1:48:A:GLY:H	10	0.4
(1,589)	1:47:A:LYS:HA	1:26:A:CYS:H	4	0.4
(1,589)	1:47:A:LYS:HA	1:26:A:CYS:H	8	0.4
(1,568)	1:45:A:ASN:HB2	1:47:A:LYS:H	8	0.4
(1,564)	1:45:A:ASN:HB2	1:42:A:LEU:H	1	0.4
(1,556)	1:45:A:ASN:HB3	1:41:A:LEU:HD21	1	0.4
(1,556)	1:45:A:ASN:HB3	1:41:A:LEU:HD22	1	0.4
(1,556)	1:45:A:ASN:HB3	1:41:A:LEU:HD23	1	0.4
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	8	0.4
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	18	0.4
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	2	0.4
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	11	0.4
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	13	0.4
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	13	0.4
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	2	0.4
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	2	0.4
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG21	15	0.4
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG22	15	0.4
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG23	15	0.4
(1,329)	1:27:A:THR:HA	1:41:A:LEU:HD21	19	0.4
(1,329)	1:27:A:THR:HA	1:41:A:LEU:HD22	19	0.4
(1,329)	1:27:A:THR:HA	1:41:A:LEU:HD23	19	0.4
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	2	0.4
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	2	0.4
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	20	0.4
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	15	0.4
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	15	0.4
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	15	0.4
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	15	0.4
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	15	0.4
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	15	0.4
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	15	0.4
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	15	0.4
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	15	0.4
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	19	0.4
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	19	0.4
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	19	0.4
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	19	0.4
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	19	0.4
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	19	0.4
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	19	0.4
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	19	0.4
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	13	0.4
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	13	0.4
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	13	0.4
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	1	0.4
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	4	0.4
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	10	0.4
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	13	0.4
(1,106)	1:44:A:GLN:HA	1:44:A:GLN:HG2	3	0.4
(1,106)	1:44:A:GLN:HA	1:44:A:GLN:HG3	3	0.4
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	14	0.4
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	14	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	2	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	2	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	2	0.4
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	2	0.4
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	2	0.4
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	2	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	2	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	2	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	2	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	14	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	14	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	14	0.4
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	14	0.4
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	14	0.4
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	14	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	14	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	14	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	14	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	16	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	16	0.4
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	16	0.4
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	16	0.4
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	16	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	16	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	16	0.4
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	16	0.4
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	7	0.4
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	18	0.4
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	18	0.4
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	18	0.4
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	3	0.4
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	17	0.4
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	11	0.4
(1,47)	1:27:A:THR:HA	1:27:A:THR:H	20	0.4
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	13	0.4
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	9	0.4
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	8	0.4
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	16	0.4
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	1	0.39
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	1	0.39
(1,722)	1:52:A:LYS:HD2	1:52:A:LYS:H	2	0.39
(1,722)	1:52:A:LYS:HD3	1:52:A:LYS:H	2	0.39
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	5	0.39
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	19	0.39
(1,705)	1:51:A:TYR:H	1:40:A:GLY:H	13	0.39
(1,690)	1:51:A:TYR:HD1	1:50:A:CYS:H	1	0.39
(1,690)	1:51:A:TYR:HD2	1:50:A:CYS:H	1	0.39
(1,690)	1:51:A:TYR:HD1	1:50:A:CYS:H	7	0.39
(1,690)	1:51:A:TYR:HD2	1:50:A:CYS:H	7	0.39
(1,608)	1:47:A:LYS:HG3	1:48:A:GLY:H	15	0.39
(1,589)	1:47:A:LYS:HA	1:26:A:CYS:H	1	0.39
(1,576)	1:46:A:LYS:HA	1:46:A:LYS:HD3	11	0.39
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD21	5	0.39
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD22	5	0.39
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD23	5	0.39
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD21	14	0.39
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD22	14	0.39
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD23	14	0.39
(1,564)	1:45:A:ASN:HB2	1:42:A:LEU:H	3	0.39
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	1	0.39
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	2	0.39
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	5	0.39
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	5	0.39
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD21	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD22	10	0.39
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD23	10	0.39
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD21	10	0.39
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD22	10	0.39
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD23	10	0.39
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD21	10	0.39
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD22	10	0.39
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD23	10	0.39
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	5	0.39
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	5	0.39
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	8	0.39
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG21	20	0.39
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG22	20	0.39
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG23	20	0.39
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	13	0.39
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	13	0.39
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	13	0.39
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	9	0.39
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	11	0.39
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	16	0.39
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	12	0.39
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	12	0.39
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	18	0.39
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	18	0.39
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	19	0.39
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	19	0.39
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	11	0.39
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	11	0.39
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	11	0.39
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	18	0.39
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	18	0.39
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	18	0.39
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	18	0.39
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	18	0.39
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	18	0.39
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	18	0.39
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	18	0.39
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	18	0.39
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	6	0.39
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	8	0.39
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	17	0.39
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	2	0.39
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	2	0.39
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	5	0.39
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	11	0.39
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	20	0.39
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	16	0.39
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD1	9	0.38
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD2	9	0.38
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD1	9	0.38
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD2	9	0.38
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD1	9	0.38
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD2	9	0.38
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD1	9	0.38
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD2	9	0.38
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD1	9	0.38
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD2	9	0.38
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD1	9	0.38
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD2	9	0.38
(1,714)	1:52:A:LYS:HB2	1:20:A:VAL:H	8	0.38
(1,714)	1:52:A:LYS:HB3	1:20:A:VAL:H	8	0.38
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	2	0.38
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	9	0.38
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	13	0.38
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	18	0.38
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD11	9	0.38
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD12	9	0.38
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD13	9	0.38
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD11	9	0.38
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD12	9	0.38
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD13	9	0.38
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	19	0.38
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	19	0.38
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	5	0.38
(1,550)	1:44:A:GLN:HG2	1:45:A:ASN:H	2	0.38
(1,550)	1:44:A:GLN:HG3	1:45:A:ASN:H	2	0.38
(1,486)	1:38:A:PHE:HE1	1:52:A:LYS:H	7	0.38
(1,486)	1:38:A:PHE:HE2	1:52:A:LYS:H	7	0.38
(1,416)	1:34:A:PRO:HB2	1:37:A:CYS:H	19	0.38
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	3	0.38
(1,291)	1:24:A:LYS:HG2	1:25:A:ASN:H	20	0.38
(1,182)	1:18:A:ASP:HB2	1:20:A:VAL:HG21	8	0.38
(1,182)	1:18:A:ASP:HB2	1:20:A:VAL:HG22	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:18:A:ASP:HB2	1:20:A:VAL:HG23	8	0.38
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	14	0.38
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	14	0.38
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	18	0.38
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	18	0.38
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	18	0.38
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	18	0.38
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	18	0.38
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	18	0.38
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	19	0.38
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	3	0.38
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	19	0.38
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	11	0.38
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	11	0.38
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	12	0.38
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	12	0.38
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	12	0.38
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	6	0.38
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	6	0.38
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	6	0.38
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	7	0.38
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	7	0.38
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	7	0.38
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	7	0.38
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	5	0.38
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	19	0.38
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	19	0.38
(1,36)	1:24:A:LYS:HA	1:24:A:LYS:H	6	0.38
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	18	0.38
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	18	0.38
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	18	0.38
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	18	0.38
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	18	0.38
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	18	0.38
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	18	0.38
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	3	0.38
(1,792)	1:54:A:ILE:HG13	1:55:A:GLY:H	1	0.37
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	12	0.37
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	12	0.37
(1,714)	1:52:A:LYS:HB2	1:20:A:VAL:H	20	0.37
(1,714)	1:52:A:LYS:HB3	1:20:A:VAL:H	20	0.37
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:51:A:TYR:HE1	1:38:A:PHE:HD1	15	0.37
(1,699)	1:51:A:TYR:HE1	1:38:A:PHE:HD2	15	0.37
(1,699)	1:51:A:TYR:HE2	1:38:A:PHE:HD1	15	0.37
(1,699)	1:51:A:TYR:HE2	1:38:A:PHE:HD2	15	0.37
(1,696)	1:51:A:TYR:HE1	1:38:A:PHE:HD1	15	0.37
(1,696)	1:51:A:TYR:HE1	1:38:A:PHE:HD2	15	0.37
(1,696)	1:51:A:TYR:HE2	1:38:A:PHE:HD1	15	0.37
(1,696)	1:51:A:TYR:HE2	1:38:A:PHE:HD2	15	0.37
(1,690)	1:51:A:TYR:HD1	1:50:A:CYS:H	3	0.37
(1,690)	1:51:A:TYR:HD2	1:50:A:CYS:H	3	0.37
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD11	5	0.37
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD12	5	0.37
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD13	5	0.37
(1,465)	1:37:A:CYS:HB2	1:51:A:TYR:H	20	0.37
(1,416)	1:34:A:PRO:HB2	1:37:A:CYS:H	3	0.37
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD11	18	0.37
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD12	18	0.37
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD13	18	0.37
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD11	18	0.37
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD12	18	0.37
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD13	18	0.37
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD11	18	0.37
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD12	18	0.37
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD13	18	0.37
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	4	0.37
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	4	0.37
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	4	0.37
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	4	0.37
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	4	0.37
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	4	0.37
(1,146)	1:54:A:ILE:HG12	1:54:A:ILE:HG21	3	0.37
(1,146)	1:54:A:ILE:HG12	1:54:A:ILE:HG22	3	0.37
(1,146)	1:54:A:ILE:HG12	1:54:A:ILE:HG23	3	0.37
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	3	0.37
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	3	0.37
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	3	0.37
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	2	0.37
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	2	0.37
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	2	0.37
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	2	0.37
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	2	0.37
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	2	0.37
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	2	0.37
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	2	0.37
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	5	0.37
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	8	0.37
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	5	0.37
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	5	0.37
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	5	0.37
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	10	0.37
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	15	0.37
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	4	0.37
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	10	0.37
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	10	0.37
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	11	0.37
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	11	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	1	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	1	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	1	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	13	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	13	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	13	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	14	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	14	0.37
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	14	0.37
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	18	0.37
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	18	0.37
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	18	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	8	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	8	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	8	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	8	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	8	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	8	0.37
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	8	0.37
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	8	0.37
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	8	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	9	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	9	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	9	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	9	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	9	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	9	0.37
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	9	0.37
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	9	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	19	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	19	0.37
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	19	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	19	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	19	0.37
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	19	0.37
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	19	0.37
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	19	0.37
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	19	0.37
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	15	0.37
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	15	0.37
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	15	0.37
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	4	0.37
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	14	0.37
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	16	0.37
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	17	0.37
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	19	0.37
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	14	0.37
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	10	0.37
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	15	0.37
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	12	0.37
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	14	0.37
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	1	0.37
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	1	0.37
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	1	0.37
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	5	0.37
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	5	0.37
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	5	0.37
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	8	0.37
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	8	0.37
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	8	0.37
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	4	0.37
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	11	0.37
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	17	0.37
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	18	0.37
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD11	14	0.36
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD12	14	0.36
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD13	14	0.36
(1,788)	1:54:A:ILE:HD11	1:55:A:GLY:H	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:54:A:ILE:HD12	1:55:A:GLY:H	14	0.36
(1,788)	1:54:A:ILE:HD13	1:55:A:GLY:H	14	0.36
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	6	0.36
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	13	0.36
(1,765)	1:53:A:ILE:HG21	1:19:A:VAL:HA	4	0.36
(1,765)	1:53:A:ILE:HG22	1:19:A:VAL:HA	4	0.36
(1,765)	1:53:A:ILE:HG23	1:19:A:VAL:HA	4	0.36
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	3	0.36
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	3	0.36
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	4	0.36
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	4	0.36
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD11	8	0.36
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD12	8	0.36
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD13	8	0.36
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD21	8	0.36
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD22	8	0.36
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD23	8	0.36
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD11	17	0.36
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD12	17	0.36
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD13	17	0.36
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	4	0.36
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	13	0.36
(1,390)	1:32:A:GLU:HB2	1:27:A:THR:H	17	0.36
(1,365)	1:30:A:GLN:HG3	1:31:A:ASN:H	10	0.36
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG21	10	0.36
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG22	10	0.36
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG23	10	0.36
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG21	16	0.36
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG22	16	0.36
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG23	16	0.36
(1,327)	1:27:A:THR:HA	1:30:A:GLN:H	14	0.36
(1,318)	1:26:A:CYS:HB3	1:32:A:GLU:HB2	1	0.36
(1,198)	1:19:A:VAL:HG11	1:38:A:PHE:HD1	2	0.36
(1,198)	1:19:A:VAL:HG11	1:38:A:PHE:HD2	2	0.36
(1,198)	1:19:A:VAL:HG12	1:38:A:PHE:HD1	2	0.36
(1,198)	1:19:A:VAL:HG12	1:38:A:PHE:HD2	2	0.36
(1,198)	1:19:A:VAL:HG13	1:38:A:PHE:HD1	2	0.36
(1,198)	1:19:A:VAL:HG13	1:38:A:PHE:HD2	2	0.36
(1,198)	1:19:A:VAL:HG21	1:38:A:PHE:HD1	2	0.36
(1,198)	1:19:A:VAL:HG21	1:38:A:PHE:HD2	2	0.36
(1,198)	1:19:A:VAL:HG22	1:38:A:PHE:HD1	2	0.36
(1,198)	1:19:A:VAL:HG22	1:38:A:PHE:HD2	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:19:A:VAL:HG23	1:38:A:PHE:HD1	2	0.36
(1,198)	1:19:A:VAL:HG23	1:38:A:PHE:HD2	2	0.36
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG21	4	0.36
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG22	4	0.36
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG23	4	0.36
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG21	18	0.36
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG22	18	0.36
(1,184)	1:18:A:ASP:HB2	1:54:A:ILE:HG23	18	0.36
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG21	9	0.36
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG22	9	0.36
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG23	9	0.36
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	7	0.36
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	7	0.36
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	7	0.36
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	7	0.36
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	7	0.36
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	7	0.36
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	7	0.36
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	7	0.36
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	1	0.36
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	16	0.36
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	16	0.36
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	16	0.36
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	20	0.36
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	20	0.36
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	20	0.36
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	20	0.36
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	20	0.36
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	20	0.36
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	18	0.36
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	4	0.36
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	4	0.36
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	4	0.36
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	1	0.36
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	13	0.36
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	13	0.36
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	19	0.36
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	19	0.36
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	11	0.36
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	4	0.36
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	4	0.36
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	5	0.36
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	5	0.36
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	5	0.36
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	20	0.36
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	20	0.36
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	20	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	9	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	9	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	9	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	13	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	13	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	13	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	16	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	16	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	16	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	17	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	17	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	17	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	19	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	19	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	19	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	20	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	20	0.36
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	20	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	10	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	10	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	10	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	10	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	10	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	10	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	10	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	10	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	10	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	13	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	13	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	13	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	13	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	13	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	13	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	13	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	13	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	17	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	17	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	17	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	17	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	17	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	17	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	17	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	17	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	17	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	20	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	20	0.36
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	20	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	20	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	20	0.36
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	20	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	20	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	20	0.36
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	20	0.36
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	2	0.36
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	12	0.36
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	12	0.36
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	12	0.36
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	8	0.36
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	9	0.36
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	10	0.36
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	5	0.36
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	5	0.36
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	10	0.36
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	1	0.36
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	17	0.36
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	16	0.36
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	16	0.36
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	16	0.36
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	16	0.36
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	2	0.36
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	8	0.36
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	12	0.36
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	13	0.36
(1,833)	1:53:A:ILE:HG21	1:51:A:TYR:HE1	5	0.35
(1,833)	1:53:A:ILE:HG21	1:51:A:TYR:HE2	5	0.35
(1,833)	1:53:A:ILE:HG22	1:51:A:TYR:HE1	5	0.35
(1,833)	1:53:A:ILE:HG22	1:51:A:TYR:HE2	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:53:A:ILE:HG23	1:51:A:TYR:HE1	5	0.35
(1,833)	1:53:A:ILE:HG23	1:51:A:TYR:HE2	5	0.35
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	15	0.35
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	18	0.35
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	19	0.35
(1,722)	1:52:A:LYS:HD2	1:52:A:LYS:H	7	0.35
(1,722)	1:52:A:LYS:HD3	1:52:A:LYS:H	7	0.35
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	7	0.35
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	12	0.35
(1,690)	1:51:A:TYR:HD1	1:50:A:CYS:H	5	0.35
(1,690)	1:51:A:TYR:HD2	1:50:A:CYS:H	5	0.35
(1,661)	1:51:A:TYR:HA	1:21:A:SER:HB3	20	0.35
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	20	0.35
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD11	16	0.35
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD12	16	0.35
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD13	16	0.35
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD21	13	0.35
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD22	13	0.35
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD23	13	0.35
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD11	15	0.35
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD12	15	0.35
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD13	15	0.35
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	11	0.35
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	5	0.35
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	12	0.35
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	12	0.35
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	12	0.35
(1,390)	1:32:A:GLU:HB2	1:27:A:THR:H	9	0.35
(1,327)	1:27:A:THR:HA	1:30:A:GLN:H	15	0.35
(1,146)	1:54:A:ILE:HG12	1:54:A:ILE:HG21	16	0.35
(1,146)	1:54:A:ILE:HG12	1:54:A:ILE:HG22	16	0.35
(1,146)	1:54:A:ILE:HG12	1:54:A:ILE:HG23	16	0.35
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	11	0.35
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	11	0.35
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	11	0.35
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD11	4	0.35
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD12	4	0.35
(1,136)	1:53:A:ILE:HG21	1:53:A:ILE:HD13	4	0.35
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD11	4	0.35
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD12	4	0.35
(1,136)	1:53:A:ILE:HG22	1:53:A:ILE:HD13	4	0.35
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD11	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD12	4	0.35
(1,136)	1:53:A:ILE:HG23	1:53:A:ILE:HD13	4	0.35
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	1	0.35
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	13	0.35
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	15	0.35
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	4	0.35
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	18	0.35
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	10	0.35
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	10	0.35
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	12	0.35
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	12	0.35
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	14	0.35
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	14	0.35
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	15	0.35
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	15	0.35
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	16	0.35
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	16	0.35
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	18	0.35
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	18	0.35
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	10	0.35
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	10	0.35
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	10	0.35
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	15	0.35
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	15	0.35
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	15	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	1	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	1	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	1	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	6	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	6	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	6	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	8	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	8	0.35
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	8	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	6	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	6	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	6	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	6	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	6	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	6	0.35
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	6	0.35
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	6	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	11	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	11	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	11	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	11	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	11	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	11	0.35
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	11	0.35
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	11	0.35
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	11	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD21	15	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD22	15	0.35
(1,98)	1:41:A:LEU:HD11	1:41:A:LEU:HD23	15	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD21	15	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD22	15	0.35
(1,98)	1:41:A:LEU:HD12	1:41:A:LEU:HD23	15	0.35
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD21	15	0.35
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD22	15	0.35
(1,98)	1:41:A:LEU:HD13	1:41:A:LEU:HD23	15	0.35
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	3	0.35
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	12	0.35
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	13	0.35
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	18	0.35
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	8	0.35
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	9	0.35
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	17	0.35
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	20	0.35
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	8	0.35
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	8	0.35
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	8	0.35
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	1	0.35
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	1	0.35
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	1	0.35
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	15	0.35
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	14	0.35
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	15	0.35
(1,792)	1:54:A:ILE:HG13	1:55:A:GLY:H	5	0.34
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	8	0.34
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	8	0.34
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	8	0.34
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	13	0.34
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG21	12	0.34
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG22	12	0.34
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG23	12	0.34
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD21	9	0.34
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD22	9	0.34
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD23	9	0.34
(1,465)	1:37:A:CYS:HB2	1:51:A:TYR:H	4	0.34
(1,427)	1:34:A:PRO:HD2	1:24:A:LYS:HD2	13	0.34
(1,427)	1:34:A:PRO:HD2	1:24:A:LYS:HD3	13	0.34
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	10	0.34
(1,416)	1:34:A:PRO:HB2	1:37:A:CYS:H	14	0.34
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	12	0.34
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	12	0.34
(1,340)	1:27:A:THR:HG21	1:48:A:GLY:H	16	0.34
(1,340)	1:27:A:THR:HG22	1:48:A:GLY:H	16	0.34
(1,340)	1:27:A:THR:HG23	1:48:A:GLY:H	16	0.34
(1,332)	1:27:A:THR:HB	1:30:A:GLN:HG3	10	0.34
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	12	0.34
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	12	0.34
(1,291)	1:24:A:LYS:HG2	1:25:A:ASN:H	3	0.34
(1,260)	1:22:A:CYS:HB2	1:50:A:CYS:HA	10	0.34
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	9	0.34
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	9	0.34
(1,153)	1:17:A:PHE:HA	1:55:A:GLY:HA2	3	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	11	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	11	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	11	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	13	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	13	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	13	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	14	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	14	0.34
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	14	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	1	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	1	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	1	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	5	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	5	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	5	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	6	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	6	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	8	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	8	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	8	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	9	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	9	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	9	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	10	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	10	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	10	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	13	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	13	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	13	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	14	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	14	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	14	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	15	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	15	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	15	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	17	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	17	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	17	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	18	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	18	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	18	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	19	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	19	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	19	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	20	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	20	0.34
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	20	0.34
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	3	0.34
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	3	0.34
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	3	0.34
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	3	0.34
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	3	0.34
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	3	0.34
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	14	0.34
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	14	0.34
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	14	0.34
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	6	0.34
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	10	0.34
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	14	0.34
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	14	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	2	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	2	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	2	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	11	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	11	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	11	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	17	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	17	0.34
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	17	0.34
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	20	0.34
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	5	0.34
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	12	0.34
(1,109)	1:45:A:ASN:HA	1:45:A:ASN:H	14	0.34
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	18	0.34
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	15	0.34
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	15	0.34
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	16	0.34
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	16	0.34
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	8	0.34
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	8	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	3	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	3	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	3	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	6	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	6	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	6	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	9	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	9	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	9	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	12	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	12	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	12	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	17	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	17	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	17	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	18	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	18	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	18	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	19	0.34
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	19	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	4	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	4	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	4	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	5	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	5	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	5	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	10	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	10	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	10	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	11	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	11	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	11	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	15	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	15	0.34
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	15	0.34
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	6	0.34
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	7	0.34
(1,73)	1:34:A:PRO:HB2	1:35:A:GLU:H	15	0.34
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	7	0.34
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	3	0.34
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	3	0.34
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	3	0.34
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	16	0.34
(1,53)	1:28:A:SER:HA	1:29:A:GLY:H	8	0.34
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	11	0.34
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	16	0.34
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	16	0.34
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	16	0.34
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	5	0.34
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	18	0.34
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	18	0.34
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	18	0.34
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	18	0.34
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	7	0.34
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	10	0.34
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	14	0.34
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	19	0.34
(1,818)	1:56:A:ASN:HD21	1:56:A:ASN:H	7	0.33
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD11	6	0.33
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD12	6	0.33
(1,809)	1:55:A:GLY:H	1:54:A:ILE:HD13	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG21	6	0.33
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG22	6	0.33
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG23	6	0.33
(1,792)	1:54:A:ILE:HG13	1:55:A:GLY:H	7	0.33
(1,792)	1:54:A:ILE:HG13	1:55:A:GLY:H	9	0.33
(1,788)	1:54:A:ILE:HD11	1:55:A:GLY:H	6	0.33
(1,788)	1:54:A:ILE:HD12	1:55:A:GLY:H	6	0.33
(1,788)	1:54:A:ILE:HD13	1:55:A:GLY:H	6	0.33
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	11	0.33
(1,766)	1:53:A:ILE:HG21	1:55:A:GLY:H	6	0.33
(1,766)	1:53:A:ILE:HG22	1:55:A:GLY:H	6	0.33
(1,766)	1:53:A:ILE:HG23	1:55:A:GLY:H	6	0.33
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	18	0.33
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	18	0.33
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD11	1	0.33
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD12	1	0.33
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD13	1	0.33
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD11	1	0.33
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD12	1	0.33
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD13	1	0.33
(1,716)	1:52:A:LYS:HB2	1:38:A:PHE:H	19	0.33
(1,716)	1:52:A:LYS:HB3	1:38:A:PHE:H	19	0.33
(1,690)	1:51:A:TYR:HD1	1:50:A:CYS:H	12	0.33
(1,690)	1:51:A:TYR:HD2	1:50:A:CYS:H	12	0.33
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	18	0.33
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	18	0.33
(1,681)	1:51:A:TYR:HD1	1:17:A:PHE:HE1	10	0.33
(1,681)	1:51:A:TYR:HD1	1:17:A:PHE:HE2	10	0.33
(1,681)	1:51:A:TYR:HD2	1:17:A:PHE:HE1	10	0.33
(1,681)	1:51:A:TYR:HD2	1:17:A:PHE:HE2	10	0.33
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	14	0.33
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	14	0.33
(1,589)	1:47:A:LYS:HA	1:26:A:CYS:H	3	0.33
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD11	6	0.33
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD12	6	0.33
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD13	6	0.33
(1,416)	1:34:A:PRO:HB2	1:37:A:CYS:H	13	0.33
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	3	0.33
(1,390)	1:32:A:GLU:HB2	1:27:A:THR:H	10	0.33
(1,334)	1:27:A:THR:HB	1:30:A:GLN:H	8	0.33
(1,330)	1:27:A:THR:HB	1:30:A:GLN:HB3	13	0.33
(1,329)	1:27:A:THR:HA	1:41:A:LEU:HD21	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:27:A:THR:HA	1:41:A:LEU:HD22	16	0.33
(1,329)	1:27:A:THR:HA	1:41:A:LEU:HD23	16	0.33
(1,289)	1:24:A:LYS:HE2	1:34:A:PRO:HB2	6	0.33
(1,289)	1:24:A:LYS:HE3	1:34:A:PRO:HB2	6	0.33
(1,268)	1:23:A:ASN:HB3	1:24:A:LYS:H	18	0.33
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	10	0.33
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	10	0.33
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	11	0.33
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	11	0.33
(1,178)	1:18:A:ASP:HB3	1:54:A:ILE:HG21	9	0.33
(1,178)	1:18:A:ASP:HB3	1:54:A:ILE:HG22	9	0.33
(1,178)	1:18:A:ASP:HB3	1:54:A:ILE:HG23	9	0.33
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	15	0.33
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	15	0.33
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	15	0.33
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	15	0.33
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	15	0.33
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	15	0.33
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	19	0.33
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	19	0.33
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	19	0.33
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	19	0.33
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	19	0.33
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	19	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	1	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	1	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	1	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	2	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	2	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	2	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	3	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	3	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	3	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	4	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	4	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	4	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	5	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	5	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	5	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	6	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	6	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	7	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	7	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	7	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	8	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	8	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	8	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	10	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	10	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	10	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	12	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	12	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	12	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	15	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	15	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	15	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	16	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	16	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	16	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	18	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	18	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	18	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	19	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	19	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	19	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	20	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	20	0.33
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	20	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	2	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	2	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	2	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	4	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	4	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	4	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	7	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	7	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	7	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	12	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	12	0.33
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	12	0.33
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	7	0.33
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	7	0.33
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	13	0.33
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	13	0.33
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	13	0.33
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	18	0.33
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	18	0.33
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	18	0.33
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	4	0.33
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	4	0.33
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	4	0.33
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	7	0.33
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	11	0.33
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	20	0.33
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	17	0.33
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	17	0.33
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	6	0.33
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	4	0.33
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	1	0.33
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	1	0.33
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	1	0.33
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	8	0.33
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	8	0.33
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	8	0.33
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	16	0.33
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	16	0.33
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	16	0.33
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	2	0.33
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	2	0.33
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	2	0.33
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	3	0.33
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	3	0.33
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	3	0.33
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	2	0.33
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	2	0.33
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	2	0.33
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	11	0.33
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	15	0.33
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	14	0.33
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	18	0.33
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	14	0.33
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	14	0.33
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	10	0.33
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	15	0.33
(1,57)	1:30:A:GLN:HA	1:31:A:ASN:H	13	0.33
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	16	0.33
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	4	0.33
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	17	0.33
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	17	0.33
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	12	0.33
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	12	0.33
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	12	0.33
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	16	0.33
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	16	0.33
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	16	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	2	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	2	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	2	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	3	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	3	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	3	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	11	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	11	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	11	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	14	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	14	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	14	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	17	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	17	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	17	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	18	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	18	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	18	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	20	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	20	0.33
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	20	0.33
(1,17)	1:19:A:VAL:HG11	1:53:A:ILE:HD11	2	0.33
(1,17)	1:19:A:VAL:HG11	1:53:A:ILE:HD12	2	0.33
(1,17)	1:19:A:VAL:HG11	1:53:A:ILE:HD13	2	0.33
(1,17)	1:19:A:VAL:HG12	1:53:A:ILE:HD11	2	0.33
(1,17)	1:19:A:VAL:HG12	1:53:A:ILE:HD12	2	0.33
(1,17)	1:19:A:VAL:HG12	1:53:A:ILE:HD13	2	0.33
(1,17)	1:19:A:VAL:HG13	1:53:A:ILE:HD11	2	0.33
(1,17)	1:19:A:VAL:HG13	1:53:A:ILE:HD12	2	0.33
(1,17)	1:19:A:VAL:HG13	1:53:A:ILE:HD13	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:19:A:VAL:HG21	1:53:A:ILE:HD11	2	0.33
(1,17)	1:19:A:VAL:HG21	1:53:A:ILE:HD12	2	0.33
(1,17)	1:19:A:VAL:HG21	1:53:A:ILE:HD13	2	0.33
(1,17)	1:19:A:VAL:HG22	1:53:A:ILE:HD11	2	0.33
(1,17)	1:19:A:VAL:HG22	1:53:A:ILE:HD12	2	0.33
(1,17)	1:19:A:VAL:HG22	1:53:A:ILE:HD13	2	0.33
(1,17)	1:19:A:VAL:HG23	1:53:A:ILE:HD11	2	0.33
(1,17)	1:19:A:VAL:HG23	1:53:A:ILE:HD12	2	0.33
(1,17)	1:19:A:VAL:HG23	1:53:A:ILE:HD13	2	0.33
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	4	0.33
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	12	0.33
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	9	0.33
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	9	0.33
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	9	0.33
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	9	0.33
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	1	0.33
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	6	0.33
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG21	17	0.32
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG22	17	0.32
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG23	17	0.32
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD1	17	0.32
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD2	17	0.32
(1,766)	1:53:A:ILE:HG21	1:55:A:GLY:H	17	0.32
(1,766)	1:53:A:ILE:HG22	1:55:A:GLY:H	17	0.32
(1,766)	1:53:A:ILE:HG23	1:55:A:GLY:H	17	0.32
(1,760)	1:53:A:ILE:HG12	1:38:A:PHE:HD1	2	0.32
(1,760)	1:53:A:ILE:HG12	1:38:A:PHE:HD2	2	0.32
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	19	0.32
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	19	0.32
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	5	0.32
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	5	0.32
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	14	0.32
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	14	0.32
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG21	8	0.32
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG22	8	0.32
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG23	8	0.32
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD1	12	0.32
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD2	12	0.32
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD1	12	0.32
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD2	12	0.32
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	9	0.32
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:51:A:TYR:HB3	1:20:A:VAL:H	20	0.32
(1,641)	1:50:A:CYS:HA	1:39:A:CYS:HB2	6	0.32
(1,620)	1:48:A:GLY:HA2	1:41:A:LEU:HD21	14	0.32
(1,620)	1:48:A:GLY:HA2	1:41:A:LEU:HD22	14	0.32
(1,620)	1:48:A:GLY:HA2	1:41:A:LEU:HD23	14	0.32
(1,592)	1:47:A:LYS:HA	1:28:A:SER:HB3	15	0.32
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD11	16	0.32
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD12	16	0.32
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD13	16	0.32
(1,550)	1:44:A:GLN:HG2	1:45:A:ASN:H	16	0.32
(1,550)	1:44:A:GLN:HG3	1:45:A:ASN:H	16	0.32
(1,486)	1:38:A:PHE:HE1	1:52:A:LYS:H	17	0.32
(1,486)	1:38:A:PHE:HE2	1:52:A:LYS:H	17	0.32
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	6	0.32
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	1	0.32
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	15	0.32
(1,331)	1:27:A:THR:HB	1:30:A:GLN:HB2	8	0.32
(1,328)	1:27:A:THR:HA	1:41:A:LEU:HD11	9	0.32
(1,328)	1:27:A:THR:HA	1:41:A:LEU:HD12	9	0.32
(1,328)	1:27:A:THR:HA	1:41:A:LEU:HD13	9	0.32
(1,268)	1:23:A:ASN:HB3	1:24:A:LYS:H	17	0.32
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	19	0.32
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	19	0.32
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	18	0.32
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	18	0.32
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	18	0.32
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	18	0.32
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	18	0.32
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	18	0.32
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	10	0.32
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	10	0.32
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	10	0.32
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	10	0.32
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	10	0.32
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	10	0.32
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	14	0.32
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	14	0.32
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	14	0.32
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	14	0.32
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	14	0.32
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	14	0.32
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	9	0.32
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	9	0.32
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	9	0.32
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD11	17	0.32
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD12	17	0.32
(1,142)	1:54:A:ILE:HG13	1:54:A:ILE:HD13	17	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	2	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	2	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	2	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	8	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	8	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	8	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	10	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	10	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	10	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	12	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	12	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	12	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	13	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	13	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	13	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	14	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	14	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	14	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	15	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	15	0.32
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	15	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	2	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	2	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	2	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	4	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	4	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	4	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	20	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	20	0.32
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	20	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	1	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	1	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	1	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	2	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	2	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	3	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	3	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	3	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	6	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	6	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	6	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	7	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	7	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	7	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	9	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	9	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	9	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	10	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	10	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	10	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	11	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	11	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	11	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	12	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	12	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	12	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	15	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	15	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	15	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	19	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	19	0.32
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	19	0.32
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	4	0.32
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	4	0.32
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	8	0.32
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	8	0.32
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	11	0.32
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	11	0.32
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	12	0.32
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	15	0.32
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	6	0.32
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	6	0.32
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	9	0.32
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	9	0.32
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	17	0.32
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	17	0.32
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	7	0.32
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	7	0.32
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD11	14	0.32
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD12	14	0.32
(1,99)	1:41:A:LEU:HG	1:41:A:LEU:HD13	14	0.32
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	13	0.32
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	1	0.32
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	9	0.32
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	13	0.32
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	16	0.32
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	1	0.32
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	3	0.32
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	20	0.32
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	10	0.32
(1,57)	1:30:A:GLN:HA	1:31:A:ASN:H	4	0.32
(1,53)	1:28:A:SER:HA	1:29:A:GLY:H	4	0.32
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	12	0.32
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	16	0.32
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	19	0.32
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	15	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	1	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	1	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	1	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	14	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	14	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	14	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	18	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	18	0.32
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	18	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	1	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	1	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	1	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	5	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	5	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	5	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	6	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	6	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	6	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	7	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	7	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	7	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	9	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	9	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	10	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	10	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	10	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	13	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	13	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	13	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	15	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	15	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	15	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	19	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	19	0.32
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	19	0.32
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD1	20	0.32
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD2	20	0.32
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD1	20	0.32
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD2	20	0.32
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD1	20	0.32
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD2	20	0.32
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD1	20	0.32
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD2	20	0.32
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD1	20	0.32
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD2	20	0.32
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD1	20	0.32
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD2	20	0.32
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	18	0.32
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	4	0.32
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	4	0.32
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	4	0.32
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	4	0.32
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	17	0.32
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	17	0.32
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	17	0.32
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	17	0.32
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	9	0.32
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	20	0.32
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	4	0.31
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD1	8	0.31
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD2	8	0.31
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD1	8	0.31
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD1	8	0.31
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD2	8	0.31
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	19	0.31
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	19	0.31
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	17	0.31
(1,700)	1:51:A:TYR:HE1	1:40:A:GLY:H	5	0.31
(1,700)	1:51:A:TYR:HE2	1:40:A:GLY:H	5	0.31
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD11	8	0.31
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD12	8	0.31
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD13	8	0.31
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD11	8	0.31
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD12	8	0.31
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD13	8	0.31
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	5	0.31
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	5	0.31
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	4	0.31
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	7	0.31
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	18	0.31
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	2	0.31
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	2	0.31
(1,352)	1:28:A:SER:H	1:41:A:LEU:HD21	12	0.31
(1,352)	1:28:A:SER:H	1:41:A:LEU:HD22	12	0.31
(1,352)	1:28:A:SER:H	1:41:A:LEU:HD23	12	0.31
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG21	18	0.31
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG22	18	0.31
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG23	18	0.31
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	5	0.31
(1,182)	1:18:A:ASP:HB2	1:20:A:VAL:HG21	4	0.31
(1,182)	1:18:A:ASP:HB2	1:20:A:VAL:HG22	4	0.31
(1,182)	1:18:A:ASP:HB2	1:20:A:VAL:HG23	4	0.31
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	2	0.31
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	2	0.31
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	18	0.31
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	18	0.31
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	20	0.31
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	20	0.31
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	20	0.31
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	20	0.31
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	20	0.31
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	20	0.31
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	9	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	5	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	5	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	10	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	10	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	10	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	15	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	15	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	15	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	20	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	20	0.31
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	20	0.31
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	3	0.31
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	3	0.31
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	3	0.31
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG21	16	0.31
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG22	16	0.31
(1,141)	1:54:A:ILE:HB	1:54:A:ILE:HG23	16	0.31
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	8	0.31
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	8	0.31
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	8	0.31
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	8	0.31
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	8	0.31
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	8	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	1	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	1	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	1	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	3	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	3	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	3	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	4	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	4	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	4	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	6	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	6	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	6	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	7	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	7	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	7	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	9	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	9	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	9	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	11	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	11	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	16	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	16	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	16	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	17	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	17	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	17	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	18	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	18	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	18	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	19	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	19	0.31
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	19	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	3	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	3	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	3	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	5	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	5	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	5	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	6	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	6	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	6	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	9	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	9	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	9	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	11	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	11	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	11	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	12	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	12	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	12	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	15	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	15	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	15	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	19	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	19	0.31
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	19	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	8	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	8	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	8	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	13	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	13	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	14	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	14	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	14	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	16	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	16	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	16	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	17	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	17	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	17	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	18	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	18	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	18	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	20	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	20	0.31
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	20	0.31
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	8	0.31
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	8	0.31
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	12	0.31
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	12	0.31
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	20	0.31
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	20	0.31
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	18	0.31
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	3	0.31
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	3	0.31
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	4	0.31
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	4	0.31
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	3	0.31
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	3	0.31
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	5	0.31
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	5	0.31
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	11	0.31
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	14	0.31
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	13	0.31
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	9	0.31
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	19	0.31
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	20	0.31
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	5	0.31
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	1	0.31
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	2	0.31
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	1	0.31
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	12	0.31
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	18	0.31
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	2	0.31
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	13	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	9	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	9	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	9	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	15	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	15	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	15	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	17	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	17	0.31
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	17	0.31
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	4	0.31
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	2	0.31
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	12	0.31
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	10	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	2	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	2	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	2	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	3	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	3	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	3	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	6	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	6	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	6	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	7	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	7	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	7	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	9	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	9	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	9	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	10	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	10	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	10	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	11	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	11	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	11	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	13	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	13	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	17	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	17	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	17	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	19	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	19	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	19	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	20	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	20	0.31
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	20	0.31
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	4	0.31
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	4	0.31
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	4	0.31
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	8	0.31
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	8	0.31
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	8	0.31
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	7	0.31
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	7	0.31
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	7	0.31
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	7	0.31
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	7	0.31
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	7	0.31
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	10	0.31
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	10	0.31
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	10	0.31
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	10	0.31
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	10	0.31
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	10	0.31
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	15	0.31
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	15	0.31
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	15	0.31
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	15	0.31
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	15	0.31
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	15	0.31
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	8	0.31
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	2	0.31
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	2	0.31
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	2	0.31
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	2	0.31
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	3	0.31
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	3	0.31
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	3	0.31
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	3	0.3
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	3	0.3
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	13	0.3
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	13	0.3
(1,731)	1:52:A:LYS:HG2	1:37:A:CYS:HA	8	0.3
(1,731)	1:52:A:LYS:HG3	1:37:A:CYS:HA	8	0.3
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	11	0.3
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	11	0.3
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD1	15	0.3
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD2	15	0.3
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	4	0.3
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	5	0.3
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	12	0.3
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	14	0.3
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	16	0.3
(1,427)	1:34:A:PRO:HD2	1:24:A:LYS:HD2	6	0.3
(1,427)	1:34:A:PRO:HD2	1:24:A:LYS:HD3	6	0.3
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	3	0.3
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	10	0.3
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	5	0.3
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	8	0.3
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	18	0.3
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	18	0.3
(1,391)	1:32:A:GLU:HB2	1:33:A:CYS:H	4	0.3
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	12	0.3
(1,268)	1:23:A:ASN:HB3	1:24:A:LYS:H	19	0.3
(1,259)	1:22:A:CYS:HB2	1:24:A:LYS:H	13	0.3
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	11	0.3
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	11	0.3
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	2	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	1	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	1	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	1	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	2	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	2	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	2	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	4	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	4	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	4	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	6	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	6	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	8	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	8	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	8	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	9	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	9	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	9	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	12	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	12	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	12	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	19	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	19	0.3
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	19	0.3
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	3	0.3
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	15	0.3
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	15	0.3
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	15	0.3
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	15	0.3
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	15	0.3
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	15	0.3
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	5	0.3
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	5	0.3
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	5	0.3
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD11	20	0.3
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD12	20	0.3
(1,133)	1:53:A:ILE:HG12	1:53:A:ILE:HD13	20	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	1	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	1	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	1	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	8	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	8	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	8	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	10	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	10	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	10	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	16	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	16	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	16	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD11	17	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD12	17	0.3
(1,132)	1:53:A:ILE:HG13	1:53:A:ILE:HD13	17	0.3
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	19	0.3
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	18	0.3
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	8	0.3
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	8	0.3
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	12	0.3
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	1	0.3
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	1	0.3
(1,104)	1:43:A:GLY:HA2	1:43:A:GLY:H	4	0.3
(1,104)	1:43:A:GLY:HA3	1:43:A:GLY:H	4	0.3
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	2	0.3
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	2	0.3
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	2	0.3
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD21	7	0.3
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD22	7	0.3
(1,100)	1:41:A:LEU:HG	1:41:A:LEU:HD23	7	0.3
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	10	0.3
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	15	0.3
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	19	0.3
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	16	0.3
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	16	0.3
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	16	0.3
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	13	0.3
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	13	0.3
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	14	0.3
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	14	0.3
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	1	0.3
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	3	0.3
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	6	0.3
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	8	0.3
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	10	0.3
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	11	0.3
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	17	0.3
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	18	0.3
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	4	0.3
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	12	0.3
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	14	0.3
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	15	0.3
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	3	0.3
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	8	0.3
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	11	0.3
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	12	0.3
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	15	0.3
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	19	0.3
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	20	0.3
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	13	0.3
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	16	0.3
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	18	0.3
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	12	0.3
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	15	0.3
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	2	0.3
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	3	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	2	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	2	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	2	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	6	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	6	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	6	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	20	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	20	0.3
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	20	0.3
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	3	0.3
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	19	0.3
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	1	0.3
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	7	0.3
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	5	0.3
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	6	0.3
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	9	0.3
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	13	0.3
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	15	0.3
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	14	0.3
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	14	0.3
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	14	0.3
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	14	0.3
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	14	0.3
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	14	0.3
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	15	0.3
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	15	0.3
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	15	0.3
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG11	12	0.3
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG12	12	0.3
(1,21)	1:20:A:VAL:HB	1:20:A:VAL:HG13	12	0.3
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	7	0.3
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	7	0.3
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	10	0.3
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	10	0.3
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	10	0.3
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	15	0.3
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	15	0.3
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	15	0.3
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD1	14	0.3
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD2	14	0.3
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD1	14	0.3
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD2	14	0.3
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD1	14	0.3
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD2	14	0.3
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD1	14	0.3
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD2	14	0.3
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD1	14	0.3
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD2	14	0.3
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD1	14	0.3
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD2	14	0.3
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	20	0.3
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	20	0.3
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	20	0.3
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	20	0.3
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	20	0.3
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	20	0.3
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	2	0.3
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	7	0.3
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	10	0.3
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	11	0.3
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	13	0.3
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	14	0.3
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	8	0.3
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	8	0.3
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	8	0.3
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	8	0.3
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	13	0.3
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	13	0.3
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	13	0.3
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	13	0.3
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	14	0.3
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	14	0.3
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	14	0.3
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	19	0.3
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	19	0.3
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	19	0.3
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	19	0.3
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	4	0.29
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	4	0.29
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	4	0.29
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	6	0.29
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	6	0.29
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	11	0.29
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	11	0.29
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	1	0.29
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	1	0.29
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	7	0.29
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	7	0.29
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	15	0.29
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	15	0.29
(1,690)	1:51:A:TYR:HD1	1:50:A:CYS:H	11	0.29
(1,690)	1:51:A:TYR:HD2	1:50:A:CYS:H	11	0.29
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	11	0.29
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	11	0.29
(1,631)	1:49:A:HIS:HB3	1:51:A:TYR:HD1	10	0.29
(1,631)	1:49:A:HIS:HB3	1:51:A:TYR:HD2	10	0.29
(1,601)	1:47:A:LYS:HA	1:25:A:ASN:HD22	1	0.29
(1,507)	1:41:A:LEU:HA	1:48:A:GLY:H	9	0.29
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	13	0.29
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	19	0.29
(1,427)	1:34:A:PRO:HD2	1:24:A:LYS:HD2	19	0.29
(1,427)	1:34:A:PRO:HD2	1:24:A:LYS:HD3	19	0.29
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	10	0.29
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	11	0.29
(1,365)	1:30:A:GLN:HG3	1:31:A:ASN:H	15	0.29
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	2	0.29
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	15	0.29
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	9	0.29
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	9	0.29
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	9	0.29
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	9	0.29
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	9	0.29
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	9	0.29
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	12	0.29
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	12	0.29
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	12	0.29
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	12	0.29
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	12	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	7	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	7	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	7	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	11	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	11	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	11	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	13	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	13	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	13	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	14	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	14	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	14	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	17	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	17	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	17	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD11	18	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD12	18	0.29
(1,144)	1:54:A:ILE:HG12	1:54:A:ILE:HD13	18	0.29
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	2	0.29
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG21	5	0.29
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG22	5	0.29
(1,130)	1:53:A:ILE:HB	1:53:A:ILE:HG23	5	0.29
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	16	0.29
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	19	0.29
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	10	0.29
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	10	0.29
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	19	0.29
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	19	0.29
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	3	0.29
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	3	0.29
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	16	0.29
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	16	0.29
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	20	0.29
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	20	0.29
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	8	0.29
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	8	0.29
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	8	0.29
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	12	0.29
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	12	0.29
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	7	0.29
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	18	0.29
(1,113)	1:47:A:LYS:HA	1:48:A:GLY:H	15	0.29
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	5	0.29
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	5	0.29
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	6	0.29
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	17	0.29
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	17	0.29
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	17	0.29
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	10	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	2	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	2	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	5	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	5	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	7	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	7	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	9	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	9	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	18	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	18	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	20	0.29
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	20	0.29
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	7	0.29
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	9	0.29
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	12	0.29
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	14	0.29
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	15	0.29
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	16	0.29
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	2	0.29
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	3	0.29
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	5	0.29
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	6	0.29
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	10	0.29
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	11	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	1	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	2	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	4	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	5	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	6	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	9	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	10	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	13	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	14	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	16	0.29
(1,70)	1:34:A:PRO:HA	1:34:A:PRO:HB2	17	0.29
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	2	0.29
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	4	0.29
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	13	0.29
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	20	0.29
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	15	0.29
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	1	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	3	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	3	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	3	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	4	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	4	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	4	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	7	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	7	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	7	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	10	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	10	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	10	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	16	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	16	0.29
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	16	0.29
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	12	0.29
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	18	0.29
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	1	0.29
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	8	0.29
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	12	0.29
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	14	0.29
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	20	0.29
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	19	0.29
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	8	0.29
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	8	0.29
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	5	0.29
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	5	0.29
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	5	0.29
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	12	0.29
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	12	0.29
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	5	0.29
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	5	0.29
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	5	0.29
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	12	0.29
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	12	0.29
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	12	0.29
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	4	0.29
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	4	0.29
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	4	0.29
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG21	5	0.29
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG22	5	0.29
(1,22)	1:20:A:VAL:HB	1:20:A:VAL:HG23	5	0.29
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	20	0.29
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	20	0.29
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	20	0.29
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	1	0.29
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	1	0.29
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	1	0.29
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	1	0.29
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	1	0.29
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	1	0.29
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	11	0.29
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	11	0.29
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	11	0.29
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	11	0.29
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	11	0.29
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	11	0.29
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	12	0.29
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	12	0.29
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	12	0.29
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	12	0.29
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	12	0.29
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	12	0.29
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	13	0.29
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	13	0.29
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	13	0.29
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	13	0.29
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	13	0.29
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	13	0.29
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	17	0.29
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	17	0.29
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	17	0.29
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	17	0.29
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	17	0.29
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	1	0.29
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	6	0.29
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	9	0.29
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	15	0.29
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	17	0.29
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	19	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	2	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	2	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	3	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	3	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	4	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	4	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	5	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	5	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	6	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	6	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	7	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	7	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	9	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	9	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	11	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	11	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	13	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	13	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	14	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	14	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	15	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	15	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	16	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	16	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	17	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	17	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	18	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	18	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	19	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	19	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	20	0.29
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	15	0.29
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	15	0.29
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	15	0.29
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	15	0.29
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	20	0.29
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	20	0.29
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	20	0.29
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	20	0.29
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	7	0.28
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	7	0.28
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	7	0.28
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	17	0.28
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	15	0.28
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	15	0.28
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	3	0.28
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	3	0.28
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	15	0.28
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	15	0.28
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	15	0.28
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	16	0.28
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	16	0.28
(1,589)	1:47:A:LYS:HA	1:26:A:CYS:H	7	0.28
(1,544)	1:44:A:GLN:HB3	1:45:A:ASN:H	7	0.28
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD1	17	0.28
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD2	17	0.28
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	2	0.28
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	6	0.28
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	7	0.28
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	9	0.28
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	17	0.28
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	18	0.28
(1,422)	1:34:A:PRO:HD3	1:33:A:CYS:H	20	0.28
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	1	0.28
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	2	0.28
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	7	0.28
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	19	0.28
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	11	0.28
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	11	0.28
(1,328)	1:27:A:THR:HA	1:41:A:LEU:HD11	16	0.28
(1,328)	1:27:A:THR:HA	1:41:A:LEU:HD12	16	0.28
(1,328)	1:27:A:THR:HA	1:41:A:LEU:HD13	16	0.28
(1,327)	1:27:A:THR:HA	1:30:A:GLN:H	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:24:A:LYS:HE2	1:25:A:ASN:H	17	0.28
(1,287)	1:24:A:LYS:HE3	1:25:A:ASN:H	17	0.28
(1,268)	1:23:A:ASN:HB3	1:24:A:LYS:H	7	0.28
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	10	0.28
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG21	4	0.28
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG22	4	0.28
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG23	4	0.28
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	7	0.28
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	7	0.28
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	1	0.28
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	1	0.28
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	1	0.28
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	19	0.28
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	19	0.28
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	19	0.28
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	3	0.28
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	9	0.28
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	17	0.28
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	19	0.28
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	5	0.28
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	9	0.28
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	17	0.28
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	16	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	1	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	1	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	3	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	3	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	4	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	4	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	6	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	6	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	8	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	8	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	10	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	10	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	11	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	11	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	12	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	12	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	15	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	15	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	16	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	17	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	17	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE1	19	0.28
(1,89)	1:38:A:PHE:HZ	1:38:A:PHE:HE2	19	0.28
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	4	0.28
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	13	0.28
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	19	0.28
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	20	0.28
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	1	0.28
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	7	0.28
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	8	0.28
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	17	0.28
(1,78)	1:35:A:GLU:HA	1:35:A:GLU:H	18	0.28
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	8	0.28
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	17	0.28
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	3	0.28
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	4	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	11	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	11	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	11	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	12	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	12	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	12	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	13	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	13	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	13	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	14	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	14	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	14	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	19	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	19	0.28
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	19	0.28
(1,44)	1:26:A:CYS:HB2	1:27:A:THR:H	1	0.28
(1,44)	1:26:A:CYS:HB2	1:27:A:THR:H	10	0.28
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	13	0.28
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	2	0.28
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	3	0.28
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	4	0.28
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	17	0.28
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	18	0.28
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	8	0.28
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	8	0.28
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	8	0.28
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	8	0.28
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	8	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	1	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	1	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	1	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	11	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	11	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	11	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	12	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	12	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	12	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	13	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	13	0.28
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	13	0.28
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	6	0.28
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	6	0.28
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	6	0.28
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	6	0.28
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	6	0.28
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	6	0.28
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	1	0.28
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	1	0.28
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	8	0.28
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	8	0.28
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	10	0.28
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	10	0.28
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE1	12	0.28
(1,5)	1:17:A:PHE:HZ	1:17:A:PHE:HE2	12	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	1	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	1	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	1	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	1	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	6	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	6	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	6	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	6	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	10	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	10	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	10	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	11	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	11	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	11	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	11	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	12	0.28
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	12	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	12	0.28
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	12	0.28
(1,2)	1:17:A:PHE:HA	1:18:A:ASP:H	5	0.28
(1,818)	1:56:A:ASN:HD21	1:56:A:ASN:H	4	0.27
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	2	0.27
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	2	0.27
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	2	0.27
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD1	19	0.27
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD2	19	0.27
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD1	19	0.27
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD2	19	0.27
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD1	19	0.27
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD2	19	0.27
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	18	0.27
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	18	0.27
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	7	0.27
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	7	0.27
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	1	0.27
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	1	0.27
(1,621)	1:48:A:GLY:HA2	1:42:A:LEU:HD11	15	0.27
(1,621)	1:48:A:GLY:HA2	1:42:A:LEU:HD12	15	0.27
(1,621)	1:48:A:GLY:HA2	1:42:A:LEU:HD13	15	0.27
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD11	12	0.27
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD12	12	0.27
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD13	12	0.27
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD11	19	0.27
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD12	19	0.27
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD13	19	0.27
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	2	0.27
(1,601)	1:47:A:LYS:HA	1:25:A:ASN:HD22	16	0.27
(1,564)	1:45:A:ASN:HB2	1:42:A:LEU:H	5	0.27
(1,564)	1:45:A:ASN:HB2	1:42:A:LEU:H	7	0.27
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	6	0.27
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	7	0.27
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	1	0.27
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	8	0.27
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	10	0.27
(1,427)	1:34:A:PRO:HD2	1:24:A:LYS:HD2	3	0.27
(1,427)	1:34:A:PRO:HD2	1:24:A:LYS:HD3	3	0.27
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	9	0.27
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	17	0.27
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	13	0.27
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	8	0.27
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	9	0.27
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	14	0.27
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	20	0.27
(1,386)	1:32:A:GLU:HA	1:25:A:ASN:HD22	4	0.27
(1,382)	1:31:A:ASN:HB2	1:32:A:GLU:H	10	0.27
(1,369)	1:30:A:GLN:HG2	1:31:A:ASN:H	5	0.27
(1,365)	1:30:A:GLN:HG3	1:31:A:ASN:H	13	0.27
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD11	7	0.27
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD12	7	0.27
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD13	7	0.27
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD11	7	0.27
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD12	7	0.27
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD13	7	0.27
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD11	7	0.27
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD12	7	0.27
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD13	7	0.27
(1,318)	1:26:A:CYS:HB3	1:32:A:GLU:HB2	18	0.27
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	1	0.27
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	5	0.27
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE1	19	0.27
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE2	19	0.27
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	13	0.27
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	13	0.27
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	13	0.27
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	13	0.27
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	13	0.27
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	13	0.27
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	8	0.27
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	8	0.27
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	8	0.27
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	8	0.27
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	8	0.27
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	16	0.27
(1,147)	1:55:A:GLY:HA3	1:55:A:GLY:H	16	0.27
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	12	0.27
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	12	0.27
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	12	0.27
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	12	0.27
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	12	0.27
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	12	0.27
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	2	0.27
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	15	0.27
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	9	0.27
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	9	0.27
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	15	0.27
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	15	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	2	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	2	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	4	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	4	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	9	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	9	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	14	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	14	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	19	0.27
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	19	0.27
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	8	0.27
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	2	0.27
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	6	0.27
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	14	0.27
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	13	0.27
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	12	0.27
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	4	0.27
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	9	0.27
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	12	0.27
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	14	0.27
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	19	0.27
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	10	0.27
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	11	0.27
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	9	0.27
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	2	0.27
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	8	0.27
(1,58)	1:30:A:GLN:HB2	1:30:A:GLN:H	5	0.27
(1,57)	1:30:A:GLN:HA	1:31:A:ASN:H	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:28:A:SER:HA	1:29:A:GLY:H	2	0.27
(1,53)	1:28:A:SER:HA	1:29:A:GLY:H	5	0.27
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	7	0.27
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG21	18	0.27
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG22	18	0.27
(1,49)	1:27:A:THR:HB	1:27:A:THR:HG23	18	0.27
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	1	0.27
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	5	0.27
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	15	0.27
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	1	0.27
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	15	0.27
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	13	0.27
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	7	0.27
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	16	0.27
(1,34)	1:23:A:ASN:HA	1:23:A:ASN:H	19	0.27
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	11	0.27
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	6	0.27
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	6	0.27
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	6	0.27
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	17	0.27
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	17	0.27
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	17	0.27
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD1	4	0.27
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD2	4	0.27
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD1	4	0.27
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD2	4	0.27
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD1	4	0.27
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD2	4	0.27
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD1	4	0.27
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD2	4	0.27
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD1	4	0.27
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD2	4	0.27
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD1	4	0.27
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD2	4	0.27
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	2	0.27
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	2	0.27
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	2	0.27
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	2	0.27
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	2	0.27
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	2	0.27
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	4	0.27
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	4	0.27
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	4	0.27
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	4	0.27
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	4	0.27
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	5	0.27
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	5	0.27
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	5	0.27
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	5	0.27
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	5	0.27
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	5	0.27
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	8	0.27
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	8	0.27
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	8	0.27
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	8	0.27
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	8	0.27
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	8	0.27
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	14	0.27
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	14	0.27
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	14	0.27
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	14	0.27
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	14	0.27
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	14	0.27
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	19	0.27
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	19	0.27
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	19	0.27
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	19	0.27
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	19	0.27
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	19	0.27
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	20	0.27
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	5	0.27
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	5	0.27
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	5	0.27
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	5	0.27
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD1	7	0.27
(1,3)	1:17:A:PHE:HB2	1:17:A:PHE:HD2	7	0.27
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD1	7	0.27
(1,3)	1:17:A:PHE:HB3	1:17:A:PHE:HD2	7	0.27
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	10	0.26
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	10	0.26
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	4	0.26
(1,690)	1:51:A:TYR:HD1	1:50:A:CYS:H	13	0.26
(1,690)	1:51:A:TYR:HD2	1:50:A:CYS:H	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	6	0.26
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	9	0.26
(1,576)	1:46:A:LYS:HA	1:46:A:LYS:HD3	13	0.26
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD21	6	0.26
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD22	6	0.26
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD23	6	0.26
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD11	1	0.26
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD12	1	0.26
(1,572)	1:46:A:LYS:HA	1:41:A:LEU:HD13	1	0.26
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD11	15	0.26
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD12	15	0.26
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD13	15	0.26
(1,538)	1:44:A:GLN:HA	1:31:A:ASN:HD21	18	0.26
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD21	18	0.26
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD22	18	0.26
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD23	18	0.26
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	9	0.26
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	11	0.26
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	14	0.26
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	12	0.26
(1,382)	1:31:A:ASN:HB2	1:32:A:GLU:H	14	0.26
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	1	0.26
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	14	0.26
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	14	0.26
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	14	0.26
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	14	0.26
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	14	0.26
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	14	0.26
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	6	0.26
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	6	0.26
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	6	0.26
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	6	0.26
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	6	0.26
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	6	0.26
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	2	0.26
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	2	0.26
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	2	0.26
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	12	0.26
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	12	0.26
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	12	0.26
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	4	0.26
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	2	0.26
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	7	0.26
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	7	0.26
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	18	0.26
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	18	0.26
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	13	0.26
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	15	0.26
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	6	0.26
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	14	0.26
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	12	0.26
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	20	0.26
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	10	0.26
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	10	0.26
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	10	0.26
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	20	0.26
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	20	0.26
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	20	0.26
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	2	0.26
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	5	0.26
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	4	0.26
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	6	0.26
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	6	0.26
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	5	0.26
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	6	0.26
(1,60)	1:31:A:ASN:HA	1:31:A:ASN:H	7	0.26
(1,53)	1:28:A:SER:HA	1:29:A:GLY:H	3	0.26
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	3	0.26
(1,44)	1:26:A:CYS:HB2	1:27:A:THR:H	2	0.26
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	16	0.26
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	5	0.26
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	4	0.26
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	9	0.26
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	17	0.26
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	5	0.26
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	10	0.26
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	3	0.26
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	5	0.26
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	14	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	2	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	2	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	2	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	4	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	4	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	5	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	5	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	5	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	8	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	8	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	8	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	14	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	14	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	14	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	19	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	19	0.26
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	19	0.26
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	3	0.26
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	3	0.26
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	3	0.26
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	3	0.26
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	3	0.26
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	3	0.26
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	16	0.26
(1,818)	1:56:A:ASN:HD21	1:56:A:ASN:H	20	0.25
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	13	0.25
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	13	0.25
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	13	0.25
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	14	0.25
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	14	0.25
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	14	0.25
(1,792)	1:54:A:ILE:HG13	1:55:A:GLY:H	4	0.25
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD1	8	0.25
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD2	8	0.25
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD1	8	0.25
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD2	8	0.25
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD1	8	0.25
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD2	8	0.25
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD1	12	0.25
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD2	12	0.25
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD1	12	0.25
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD2	12	0.25
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD1	12	0.25
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD2	12	0.25
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	15	0.25
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	15	0.25
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	2	0.25
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	2	0.25
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	2	0.25
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	2	0.25
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	8	0.25
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	8	0.25
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	20	0.25
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD11	2	0.25
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD12	2	0.25
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD13	2	0.25
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD11	2	0.25
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD12	2	0.25
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD13	2	0.25
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD1	3	0.25
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD2	3	0.25
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD1	3	0.25
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD2	3	0.25
(1,622)	1:48:A:GLY:HA2	1:42:A:LEU:HD21	7	0.25
(1,622)	1:48:A:GLY:HA2	1:42:A:LEU:HD22	7	0.25
(1,622)	1:48:A:GLY:HA2	1:42:A:LEU:HD23	7	0.25
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	8	0.25
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD11	18	0.25
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD12	18	0.25
(1,555)	1:45:A:ASN:HB3	1:41:A:LEU:HD13	18	0.25
(1,544)	1:44:A:GLN:HB3	1:45:A:ASN:H	8	0.25
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD1	9	0.25
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD2	9	0.25
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD11	9	0.25
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD12	9	0.25
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD13	9	0.25
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	5	0.25
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	15	0.25
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	20	0.25
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	15	0.25
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	5	0.25
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	17	0.25
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	18	0.25
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	3	0.25
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	6	0.25
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	17	0.25
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	20	0.25
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	20	0.25
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD21	11	0.25
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD22	11	0.25
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD23	11	0.25
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD21	11	0.25
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD22	11	0.25
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD23	11	0.25
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD21	11	0.25
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD22	11	0.25
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD23	11	0.25
(1,332)	1:27:A:THR:HB	1:30:A:GLN:HG3	5	0.25
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	20	0.25
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	20	0.25
(1,291)	1:24:A:LYS:HG2	1:25:A:ASN:H	4	0.25
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	9	0.25
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	14	0.25
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE1	14	0.25
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE2	14	0.25
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	11	0.25
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	8	0.25
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	8	0.25
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	16	0.25
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	16	0.25
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	12	0.25
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	17	0.25
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	17	0.25
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	17	0.25
(1,129)	1:53:A:ILE:HA	1:54:A:ILE:H	3	0.25
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	6	0.25
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	11	0.25
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	13	0.25
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	16	0.25
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	1	0.25
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	1	0.25
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	6	0.25
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	6	0.25
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	13	0.25
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	13	0.25
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	11	0.25
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	6	0.25
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	6	0.25
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	6	0.25
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	4	0.25
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	11	0.25
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	12	0.25
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	13	0.25
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	13	0.25
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	18	0.25
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	19	0.25
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	8	0.25
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	17	0.25
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	19	0.25
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	19	0.25
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	19	0.25
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	5	0.25
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	20	0.25
(1,79)	1:35:A:GLU:HA	1:36:A:GLY:H	2	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	1	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	2	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	3	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	5	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	9	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	10	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	11	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	13	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	14	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	16	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	19	0.25
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	20	0.25
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	15	0.25
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	15	0.25
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	8	0.25
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	14	0.25
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	5	0.25
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	5	0.25
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	5	0.25
(1,44)	1:26:A:CYS:HB2	1:27:A:THR:H	4	0.25
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	2	0.25
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	9	0.25
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	9	0.25
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	3	0.25
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	3	0.25
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	3	0.25
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD1	9	0.25
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD2	9	0.25
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD1	9	0.25
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD2	9	0.25
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD1	9	0.25
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD2	9	0.25
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD1	9	0.25
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD2	9	0.25
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD1	9	0.25
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD2	9	0.25
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD1	9	0.25
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD2	9	0.25
(1,9)	1:19:A:VAL:HA	1:20:A:VAL:H	3	0.25
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG21	14	0.24
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG22	14	0.24
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG23	14	0.24
(1,766)	1:53:A:ILE:HG21	1:55:A:GLY:H	14	0.24
(1,766)	1:53:A:ILE:HG22	1:55:A:GLY:H	14	0.24
(1,766)	1:53:A:ILE:HG23	1:55:A:GLY:H	14	0.24
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	9	0.24
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	9	0.24
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	17	0.24
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	17	0.24
(1,681)	1:51:A:TYR:HD1	1:17:A:PHE:HE1	16	0.24
(1,681)	1:51:A:TYR:HD1	1:17:A:PHE:HE2	16	0.24
(1,681)	1:51:A:TYR:HD2	1:17:A:PHE:HE1	16	0.24
(1,681)	1:51:A:TYR:HD2	1:17:A:PHE:HE2	16	0.24
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	1	0.24
(1,568)	1:45:A:ASN:HB2	1:47:A:LYS:H	20	0.24
(1,544)	1:44:A:GLN:HB3	1:45:A:ASN:H	6	0.24
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD1	8	0.24
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD2	8	0.24
(1,485)	1:38:A:PHE:HE1	1:40:A:GLY:H	12	0.24
(1,485)	1:38:A:PHE:HE2	1:40:A:GLY:H	12	0.24
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	2	0.24
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	16	0.24
(1,451)	1:37:A:CYS:HA	1:51:A:TYR:H	16	0.24
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	14	0.24
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	20	0.24
(1,346)	1:28:A:SER:HB3	1:41:A:LEU:HD21	3	0.24
(1,346)	1:28:A:SER:HB3	1:41:A:LEU:HD22	3	0.24
(1,346)	1:28:A:SER:HB3	1:41:A:LEU:HD23	3	0.24
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD11	12	0.24
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD12	12	0.24
(1,337)	1:27:A:THR:HG21	1:41:A:LEU:HD13	12	0.24
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD11	12	0.24
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD12	12	0.24
(1,337)	1:27:A:THR:HG22	1:41:A:LEU:HD13	12	0.24
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD11	12	0.24
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD12	12	0.24
(1,337)	1:27:A:THR:HG23	1:41:A:LEU:HD13	12	0.24
(1,325)	1:26:A:CYS:H	1:50:A:CYS:H	11	0.24
(1,285)	1:24:A:LYS:HD2	1:24:A:LYS:H	9	0.24
(1,285)	1:24:A:LYS:HD3	1:24:A:LYS:H	9	0.24
(1,260)	1:22:A:CYS:HB2	1:50:A:CYS:HA	11	0.24
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	7	0.24
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	19	0.24
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	3	0.24
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	3	0.24
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	3	0.24
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	3	0.24
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	3	0.24
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	3	0.24
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	16	0.24
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	16	0.24
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	13	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	6	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	6	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	6	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	7	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	7	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	7	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	11	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	11	0.24
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	11	0.24
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	1	0.24
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	1	0.24
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	1	0.24
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	1	0.24
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	1	0.24
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	7	0.24
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	7	0.24
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	7	0.24
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	7	0.24
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	7	0.24
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	7	0.24
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	3	0.24
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	10	0.24
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	18	0.24
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	12	0.24
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	12	0.24
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	1	0.24
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	1	0.24
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	2	0.24
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	4	0.24
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	16	0.24
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	3	0.24
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	10	0.24
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	10	0.24
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	19	0.24
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	8	0.24
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	8	0.24
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	13	0.24
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	6	0.24
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	7	0.24
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	8	0.24
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	12	0.24
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	15	0.24
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	17	0.24
(1,76)	1:34:A:PRO:HD2	1:34:A:PRO:HG3	18	0.24
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	1	0.24
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	12	0.24
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	1	0.24
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	20	0.24
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	8	0.24
(1,53)	1:28:A:SER:HA	1:29:A:GLY:H	6	0.24
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	5	0.24
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	6	0.24
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	2	0.24
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	2	0.24
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	8	0.24
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	8	0.24
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	8	0.24
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	15	0.24
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	11	0.24
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	18	0.24
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	2	0.24
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	2	0.24
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	6	0.24
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	6	0.24
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	5	0.24
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	11	0.24
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	1	0.24
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	1	0.24
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	1	0.24
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	1	0.24
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	1	0.24
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	1	0.24
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD1	11	0.24
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD2	11	0.24
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD1	11	0.24
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD2	11	0.24
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD1	11	0.24
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD2	11	0.24
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD1	11	0.24
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD2	11	0.24
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD1	11	0.24
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD2	11	0.24
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD1	11	0.24
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD2	11	0.24
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	16	0.24
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	16	0.24
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	16	0.24
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	16	0.24
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	16	0.24
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	16	0.24
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	1	0.24
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	1	0.24
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	1	0.24
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	1	0.24
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	1	0.24
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	7	0.24
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	7	0.24
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	7	0.24
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	7	0.24
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	7	0.24
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	7	0.24
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	11	0.24
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	11	0.24
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	11	0.24
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	11	0.24
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	11	0.24
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	11	0.24
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	13	0.24
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	13	0.24
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	13	0.24
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	13	0.24
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	13	0.24
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	13	0.24
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	15	0.24
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	15	0.24
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	15	0.24
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	15	0.24
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	15	0.24
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	15	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	1	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	1	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	1	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	1	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	1	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	1	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	7	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	7	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	7	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	7	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	7	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	7	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	11	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	11	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	11	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	11	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	11	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	13	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	13	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	13	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	13	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	13	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	13	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	15	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	15	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	15	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	15	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	15	0.24
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	15	0.24
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	16	0.24
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	16	0.24
(1,748)	1:53:A:ILE:HB	1:52:A:LYS:HA	2	0.23
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	5	0.23
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	5	0.23
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	19	0.23
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	19	0.23
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD11	14	0.23
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD12	14	0.23
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD13	14	0.23
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD11	14	0.23
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD12	14	0.23
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD13	14	0.23
(1,681)	1:51:A:TYR:HD1	1:17:A:PHE:HE1	15	0.23
(1,681)	1:51:A:TYR:HD1	1:17:A:PHE:HE2	15	0.23
(1,681)	1:51:A:TYR:HD2	1:17:A:PHE:HE1	15	0.23
(1,681)	1:51:A:TYR:HD2	1:17:A:PHE:HE2	15	0.23
(1,661)	1:51:A:TYR:HA	1:21:A:SER:HB3	5	0.23
(1,544)	1:44:A:GLN:HB3	1:45:A:ASN:H	9	0.23
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD1	6	0.23
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD2	6	0.23
(1,488)	1:38:A:PHE:HZ	1:17:A:PHE:HZ	19	0.23
(1,451)	1:37:A:CYS:HA	1:51:A:TYR:H	5	0.23
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	3	0.23
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	1	0.23
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	2	0.23
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	7	0.23
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	3	0.23
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	3	0.23
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	14	0.23
(1,327)	1:27:A:THR:HA	1:30:A:GLN:H	16	0.23
(1,287)	1:24:A:LYS:HE2	1:25:A:ASN:H	9	0.23
(1,287)	1:24:A:LYS:HE3	1:25:A:ASN:H	9	0.23
(1,254)	1:22:A:CYS:HB3	1:24:A:LYS:H	12	0.23
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE1	11	0.23
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE2	11	0.23
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	18	0.23
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	6	0.23
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	6	0.23
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	19	0.23
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	19	0.23
(1,153)	1:17:A:PHE:HA	1:55:A:GLY:HA2	17	0.23
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	7	0.23
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	4	0.23
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	7	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	4	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	4	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	4	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	5	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	5	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	5	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	8	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	8	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	8	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	13	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	13	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	13	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	14	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	14	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	14	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	15	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	15	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	15	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	19	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	19	0.23
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	19	0.23
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	1	0.23
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	2	0.23
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	7	0.23
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	8	0.23
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	16	0.23
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	16	0.23
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	12	0.23
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	12	0.23
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	16	0.23
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	3	0.23
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	17	0.23
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	15	0.23
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	16	0.23
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	2	0.23
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	2	0.23
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	2	0.23
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	5	0.23
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	5	0.23
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	5	0.23
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	7	0.23
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	7	0.23
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	7	0.23
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	16	0.23
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	1	0.23
(1,57)	1:30:A:GLN:HA	1:31:A:ASN:H	17	0.23
(1,53)	1:28:A:SER:HA	1:29:A:GLY:H	7	0.23
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	16	0.23
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	18	0.23
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	14	0.23
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	6	0.23
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	10	0.23
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	4	0.23
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	6	0.23
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	14	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	6	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	6	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	6	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	11	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	11	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	11	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	13	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	13	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	13	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	15	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	15	0.23
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	6	0.23
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	6	0.23
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	6	0.23
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	11	0.23
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	11	0.23
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	11	0.23
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	13	0.23
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	13	0.23
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	13	0.23
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	15	0.23
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	15	0.23
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	15	0.23
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	16	0.23
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	16	0.23
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	16	0.23
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	18	0.23
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	18	0.23
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	18	0.23
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	18	0.23
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	18	0.23
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	18	0.23
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	8	0.23
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	8	0.23
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	8	0.23
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	8	0.23
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	8	0.23
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	8	0.23
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	10	0.23
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	10	0.23
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	10	0.23
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	10	0.23
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	10	0.23
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	10	0.23
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	14	0.23
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	14	0.23
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	14	0.23
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	14	0.23
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	14	0.23
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	14	0.23
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	18	0.23
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	18	0.23
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	18	0.23
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	18	0.23
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	18	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	8	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	8	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	8	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	8	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	8	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	8	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	10	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	10	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	10	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	10	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	10	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	10	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	14	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	14	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	14	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	14	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	14	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	14	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	18	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	18	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	18	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	18	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	18	0.23
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	18	0.23
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD1	20	0.22
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD2	20	0.22
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD1	20	0.22
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD2	20	0.22
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD1	20	0.22
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD2	20	0.22
(1,748)	1:53:A:ILE:HB	1:52:A:LYS:HA	17	0.22
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	1	0.22
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	1	0.22
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	14	0.22
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	14	0.22
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD11	13	0.22
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD12	13	0.22
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD13	13	0.22
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD11	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD12	13	0.22
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD13	13	0.22
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD11	20	0.22
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD12	20	0.22
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD13	20	0.22
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD11	20	0.22
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD12	20	0.22
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD13	20	0.22
(1,690)	1:51:A:TYR:HD1	1:50:A:CYS:H	19	0.22
(1,690)	1:51:A:TYR:HD2	1:50:A:CYS:H	19	0.22
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD1	1	0.22
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD2	1	0.22
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD1	1	0.22
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD2	1	0.22
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	5	0.22
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	1	0.22
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	16	0.22
(1,576)	1:46:A:LYS:HA	1:46:A:LYS:HD3	9	0.22
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD21	11	0.22
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD22	11	0.22
(1,573)	1:46:A:LYS:HA	1:41:A:LEU:HD23	11	0.22
(1,544)	1:44:A:GLN:HB3	1:45:A:ASN:H	17	0.22
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	11	0.22
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	16	0.22
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	13	0.22
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	3	0.22
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	3	0.22
(1,391)	1:32:A:GLU:HB2	1:33:A:CYS:H	9	0.22
(1,391)	1:32:A:GLU:HB2	1:33:A:CYS:H	17	0.22
(1,390)	1:32:A:GLU:HB2	1:27:A:THR:H	15	0.22
(1,382)	1:31:A:ASN:HB2	1:32:A:GLU:H	15	0.22
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	3	0.22
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	3	0.22
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	6	0.22
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	10	0.22
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE1	1	0.22
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE2	1	0.22
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	3	0.22
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	6	0.22
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	17	0.22
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	4	0.22
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	10	0.22
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	11	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	1	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	1	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	1	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	10	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	10	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	10	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	18	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	18	0.22
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	18	0.22
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	14	0.22
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	14	0.22
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	14	0.22
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	14	0.22
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	14	0.22
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	14	0.22
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	14	0.22
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	17	0.22
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	3	0.22
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	3	0.22
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	4	0.22
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	4	0.22
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	5	0.22
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	5	0.22
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	13	0.22
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	13	0.22
(1,106)	1:44:A:GLN:HA	1:44:A:GLN:HG2	5	0.22
(1,106)	1:44:A:GLN:HA	1:44:A:GLN:HG3	5	0.22
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	10	0.22
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	1	0.22
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	5	0.22
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	14	0.22
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	14	0.22
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	18	0.22
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	18	0.22
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	6	0.22
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	11	0.22
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	12	0.22
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	15	0.22
(1,50)	1:27:A:THR:HB	1:28:A:SER:H	5	0.22
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	14	0.22
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	14	0.22
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	11	0.22
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	14	0.22
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	2	0.22
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	13	0.22
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	10	0.22
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	20	0.22
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	1	0.22
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	3	0.22
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	10	0.22
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	20	0.22
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	19	0.22
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	19	0.22
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	19	0.22
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	19	0.22
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	19	0.22
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	19	0.22
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	18	0.22
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	18	0.22
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	18	0.22
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD1	1	0.22
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD2	1	0.22
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD1	1	0.22
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD2	1	0.22
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD1	1	0.22
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD2	1	0.22
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD1	1	0.22
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD2	1	0.22
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD1	1	0.22
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD2	1	0.22
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD1	1	0.22
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD2	1	0.22
(1,14)	1:19:A:VAL:HG11	1:19:A:VAL:H	9	0.22
(1,14)	1:19:A:VAL:HG12	1:19:A:VAL:H	9	0.22
(1,14)	1:19:A:VAL:HG13	1:19:A:VAL:H	9	0.22
(1,14)	1:19:A:VAL:HG21	1:19:A:VAL:H	9	0.22
(1,14)	1:19:A:VAL:HG22	1:19:A:VAL:H	9	0.22
(1,14)	1:19:A:VAL:HG23	1:19:A:VAL:H	9	0.22
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	3	0.22
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	3	0.22
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	3	0.22
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	3	0.22
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	3	0.22
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	6	0.22
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	6	0.22
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	6	0.22
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	6	0.22
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	6	0.22
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	6	0.22
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	9	0.22
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	9	0.22
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	9	0.22
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	9	0.22
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	9	0.22
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	9	0.22
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	12	0.22
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	12	0.22
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	12	0.22
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	12	0.22
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	12	0.22
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	12	0.22
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	16	0.22
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	16	0.22
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	16	0.22
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	16	0.22
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	16	0.22
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	16	0.22
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	17	0.22
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	17	0.22
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	17	0.22
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	17	0.22
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	17	0.22
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	17	0.22
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	19	0.22
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	19	0.22
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	19	0.22
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	19	0.22
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	19	0.22
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	19	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	3	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	3	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	3	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	3	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	3	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	6	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	6	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	6	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	6	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	6	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	6	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	9	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	9	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	9	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	9	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	9	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	9	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	12	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	12	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	12	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	12	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	12	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	12	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	16	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	16	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	16	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	16	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	16	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	16	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	17	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	17	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	17	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	17	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	17	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	17	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	19	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	19	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	19	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	19	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	19	0.22
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	19	0.22
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD1	3	0.21
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD2	3	0.21
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG21	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG22	9	0.21
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG23	9	0.21
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD1	6	0.21
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD2	6	0.21
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD1	6	0.21
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD2	6	0.21
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD1	6	0.21
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD2	6	0.21
(1,765)	1:53:A:ILE:HG21	1:19:A:VAL:HA	13	0.21
(1,765)	1:53:A:ILE:HG22	1:19:A:VAL:HA	13	0.21
(1,765)	1:53:A:ILE:HG23	1:19:A:VAL:HA	13	0.21
(1,748)	1:53:A:ILE:HB	1:52:A:LYS:HA	5	0.21
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	6	0.21
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	6	0.21
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	3	0.21
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	3	0.21
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	10	0.21
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD11	18	0.21
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD12	18	0.21
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD13	18	0.21
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	9	0.21
(1,576)	1:46:A:LYS:HA	1:46:A:LYS:HD3	15	0.21
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	11	0.21
(1,431)	1:34:A:PRO:HD2	1:33:A:CYS:H	20	0.21
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG21	19	0.21
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG22	19	0.21
(1,348)	1:28:A:SER:HB2	1:27:A:THR:HG23	19	0.21
(1,339)	1:27:A:THR:HG21	1:42:A:LEU:HD21	12	0.21
(1,339)	1:27:A:THR:HG21	1:42:A:LEU:HD22	12	0.21
(1,339)	1:27:A:THR:HG21	1:42:A:LEU:HD23	12	0.21
(1,339)	1:27:A:THR:HG22	1:42:A:LEU:HD21	12	0.21
(1,339)	1:27:A:THR:HG22	1:42:A:LEU:HD22	12	0.21
(1,339)	1:27:A:THR:HG22	1:42:A:LEU:HD23	12	0.21
(1,339)	1:27:A:THR:HG23	1:42:A:LEU:HD21	12	0.21
(1,339)	1:27:A:THR:HG23	1:42:A:LEU:HD22	12	0.21
(1,339)	1:27:A:THR:HG23	1:42:A:LEU:HD23	12	0.21
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD21	20	0.21
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD22	20	0.21
(1,338)	1:27:A:THR:HG21	1:41:A:LEU:HD23	20	0.21
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD21	20	0.21
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD22	20	0.21
(1,338)	1:27:A:THR:HG22	1:41:A:LEU:HD23	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD21	20	0.21
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD22	20	0.21
(1,338)	1:27:A:THR:HG23	1:41:A:LEU:HD23	20	0.21
(1,327)	1:27:A:THR:HA	1:30:A:GLN:H	13	0.21
(1,308)	1:25:A:ASN:HD21	1:25:A:ASN:H	5	0.21
(1,259)	1:22:A:CYS:HB2	1:24:A:LYS:H	10	0.21
(1,254)	1:22:A:CYS:HB3	1:24:A:LYS:H	19	0.21
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	9	0.21
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	13	0.21
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	16	0.21
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	16	0.21
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	16	0.21
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	16	0.21
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	16	0.21
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	16	0.21
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG21	13	0.21
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG22	13	0.21
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG23	13	0.21
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	17	0.21
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	17	0.21
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	20	0.21
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	20	0.21
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	6	0.21
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	14	0.21
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	8	0.21
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	9	0.21
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	9	0.21
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	9	0.21
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	20	0.21
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	20	0.21
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	20	0.21
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	10	0.21
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	10	0.21
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	10	0.21
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	10	0.21
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	10	0.21
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	10	0.21
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	19	0.21
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	19	0.21
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	19	0.21
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	19	0.21
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	19	0.21
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	5	0.21
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	5	0.21
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	12	0.21
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	20	0.21
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	20	0.21
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	11	0.21
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	11	0.21
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	11	0.21
(1,102)	1:42:A:LEU:HA	1:43:A:GLY:H	8	0.21
(1,90)	1:39:A:CYS:HA	1:40:A:GLY:H	18	0.21
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	13	0.21
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	13	0.21
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	20	0.21
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	20	0.21
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	5	0.21
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	11	0.21
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	5	0.21
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	11	0.21
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	4	0.21
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	2	0.21
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	19	0.21
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	16	0.21
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	16	0.21
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	16	0.21
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	19	0.21
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	19	0.21
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	19	0.21
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	7	0.21
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	15	0.21
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	2	0.21
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	2	0.21
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	15	0.21
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	13	0.21
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	15	0.21
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	17	0.21
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	4	0.21
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	4	0.21
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	4	0.21
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	7	0.21
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	7	0.21
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	4	0.21
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	4	0.21
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	4	0.21
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	7	0.21
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	7	0.21
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	7	0.21
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	2	0.21
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	2	0.21
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	2	0.21
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	2	0.21
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	2	0.21
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	2	0.21
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	4	0.21
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	4	0.21
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	4	0.21
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	4	0.21
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	4	0.21
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	4	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	2	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	2	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	2	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	2	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	2	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	2	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	4	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	4	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	4	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	4	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	4	0.21
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	4	0.21
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	17	0.21
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	17	0.21
(1,792)	1:54:A:ILE:HG13	1:55:A:GLY:H	3	0.2
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD1	1	0.2
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD2	1	0.2
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD1	1	0.2
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD2	1	0.2
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD1	1	0.2
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD2	1	0.2
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	7	0.2
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	7	0.2
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	6	0.2
(1,661)	1:51:A:TYR:HA	1:21:A:SER:HB3	14	0.2
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	1	0.2
(1,642)	1:50:A:CYS:HA	1:40:A:GLY:H	13	0.2
(1,546)	1:44:A:GLN:HB2	1:45:A:ASN:H	15	0.2
(1,546)	1:44:A:GLN:HB2	1:45:A:ASN:H	19	0.2
(1,544)	1:44:A:GLN:HB3	1:45:A:ASN:H	13	0.2
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD11	8	0.2
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD12	8	0.2
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD13	8	0.2
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	1	0.2
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	12	0.2
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	19	0.2
(1,451)	1:37:A:CYS:HA	1:51:A:TYR:H	1	0.2
(1,407)	1:33:A:CYS:HB2	1:37:A:CYS:H	4	0.2
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	13	0.2
(1,382)	1:31:A:ASN:HB2	1:32:A:GLU:H	11	0.2
(1,382)	1:31:A:ASN:HB2	1:32:A:GLU:H	19	0.2
(1,346)	1:28:A:SER:HB3	1:41:A:LEU:HD21	1	0.2
(1,346)	1:28:A:SER:HB3	1:41:A:LEU:HD22	1	0.2
(1,346)	1:28:A:SER:HB3	1:41:A:LEU:HD23	1	0.2
(1,322)	1:26:A:CYS:HB2	1:32:A:GLU:HB2	10	0.2
(1,311)	1:26:A:CYS:HA	1:32:A:GLU:HB3	1	0.2
(1,285)	1:24:A:LYS:HD2	1:24:A:LYS:H	6	0.2
(1,285)	1:24:A:LYS:HD3	1:24:A:LYS:H	6	0.2
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	13	0.2
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	3	0.2
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	3	0.2
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	14	0.2
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	1	0.2
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	1	0.2
(1,153)	1:17:A:PHE:HA	1:55:A:GLY:HA2	14	0.2
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	2	0.2
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	11	0.2
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	17	0.2
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	2	0.2
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	2	0.2
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	2	0.2
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	2	0.2
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	2	0.2
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	2	0.2
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	12	0.2
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	5	0.2
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	5	0.2
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	8	0.2
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	8	0.2
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	10	0.2
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	10	0.2
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	10	0.2
(1,118)	1:50:A:CYS:HA	1:51:A:TYR:H	1	0.2
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	1	0.2
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	3	0.2
(1,113)	1:47:A:LYS:HA	1:48:A:GLY:H	10	0.2
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	14	0.2
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	16	0.2
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	4	0.2
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	4	0.2
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	4	0.2
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	13	0.2
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	13	0.2
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	13	0.2
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	3	0.2
(1,95)	1:41:A:LEU:HA	1:42:A:LEU:H	18	0.2
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	11	0.2
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	11	0.2
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	11	0.2
(1,92)	1:39:A:CYS:HB2	1:39:A:CYS:H	10	0.2
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	4	0.2
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	4	0.2
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	9	0.2
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	9	0.2
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	5	0.2
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	6	0.2
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	12	0.2
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	17	0.2
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	18	0.2
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	20	0.2
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	9	0.2
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	16	0.2
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	19	0.2
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	16	0.2
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	9	0.2
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	19	0.2
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	7	0.2
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	11	0.2
(1,58)	1:30:A:GLN:HB2	1:30:A:GLN:H	8	0.2
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	20	0.2
(1,44)	1:26:A:CYS:HB2	1:27:A:THR:H	3	0.2
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	1	0.2
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	3	0.2
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	12	0.2
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	16	0.2
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	20	0.2
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	1	0.2
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	8	0.2
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	9	0.2
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	16	0.2
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	10	0.2
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	10	0.2
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	10	0.2
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	10	0.2
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	10	0.2
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	10	0.2
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG11	9	0.2
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG12	9	0.2
(1,18)	1:19:A:VAL:H	1:19:A:VAL:HG13	9	0.2
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	20	0.2
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	20	0.2
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	20	0.2
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	20	0.2
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	20	0.2
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	20	0.2
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	20	0.2
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	20	0.2
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	20	0.2
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	20	0.2
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	20	0.2
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	20	0.2
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	5	0.2
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	3	0.2
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	3	0.2
(1,818)	1:56:A:ASN:HD21	1:56:A:ASN:H	14	0.19
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD1	18	0.19
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD2	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	3	0.19
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	3	0.19
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	17	0.19
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	17	0.19
(1,705)	1:51:A:TYR:H	1:40:A:GLY:H	9	0.19
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	11	0.19
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	11	0.19
(1,622)	1:48:A:GLY:HA2	1:42:A:LEU:HD21	2	0.19
(1,622)	1:48:A:GLY:HA2	1:42:A:LEU:HD22	2	0.19
(1,622)	1:48:A:GLY:HA2	1:42:A:LEU:HD23	2	0.19
(1,531)	1:42:A:LEU:H	1:41:A:LEU:HD21	14	0.19
(1,531)	1:42:A:LEU:H	1:41:A:LEU:HD22	14	0.19
(1,531)	1:42:A:LEU:H	1:41:A:LEU:HD23	14	0.19
(1,511)	1:41:A:LEU:HD21	1:42:A:LEU:H	14	0.19
(1,511)	1:41:A:LEU:HD22	1:42:A:LEU:H	14	0.19
(1,511)	1:41:A:LEU:HD23	1:42:A:LEU:H	14	0.19
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD21	16	0.19
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD22	16	0.19
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD23	16	0.19
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	3	0.19
(1,408)	1:33:A:CYS:HB2	1:38:A:PHE:H	15	0.19
(1,390)	1:32:A:GLU:HB2	1:27:A:THR:H	14	0.19
(1,327)	1:27:A:THR:HA	1:30:A:GLN:H	18	0.19
(1,263)	1:22:A:CYS:H	1:52:A:LYS:H	20	0.19
(1,247)	1:21:A:SER:H	1:23:A:ASN:H	4	0.19
(1,212)	1:20:A:VAL:HA	1:52:A:LYS:H	16	0.19
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	16	0.19
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	16	0.19
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	16	0.19
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	16	0.19
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	16	0.19
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	16	0.19
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	12	0.19
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	12	0.19
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	12	0.19
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	5	0.19
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	16	0.19
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	16	0.19
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	16	0.19
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	17	0.19
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	17	0.19
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	3	0.19
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	3	0.19
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	7	0.19
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	17	0.19
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	11	0.19
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	6	0.19
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	6	0.19
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	6	0.19
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	17	0.19
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	17	0.19
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	17	0.19
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	2	0.19
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	4	0.19
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	7	0.19
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	9	0.19
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	15	0.19
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	16	0.19
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	19	0.19
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	7	0.19
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	7	0.19
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	19	0.19
(1,55)	1:28:A:SER:HB2	1:28:A:SER:H	9	0.19
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	12	0.19
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	8	0.19
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	10	0.19
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	18	0.19
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	6	0.19
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	7	0.19
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	9	0.19
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	2	0.19
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	12	0.19
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	9	0.19
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	9	0.19
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	9	0.19
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	17	0.19
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	17	0.19
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	17	0.19
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	9	0.19
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	9	0.19
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	9	0.19
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	17	0.19
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	17	0.19
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	4	0.19
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	4	0.19
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	9	0.19
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	9	0.19
(1,830)	1:48:A:GLY:HA2	1:49:A:HIS:HD2	11	0.18
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG21	2	0.18
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG22	2	0.18
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG23	2	0.18
(1,765)	1:53:A:ILE:HG21	1:19:A:VAL:HA	14	0.18
(1,765)	1:53:A:ILE:HG22	1:19:A:VAL:HA	14	0.18
(1,765)	1:53:A:ILE:HG23	1:19:A:VAL:HA	14	0.18
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	10	0.18
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	10	0.18
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	10	0.18
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	10	0.18
(1,730)	1:52:A:LYS:HG2	1:20:A:VAL:H	16	0.18
(1,730)	1:52:A:LYS:HG3	1:20:A:VAL:H	16	0.18
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD11	11	0.18
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD12	11	0.18
(1,701)	1:51:A:TYR:HE1	1:42:A:LEU:HD13	11	0.18
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD11	11	0.18
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD12	11	0.18
(1,701)	1:51:A:TYR:HE2	1:42:A:LEU:HD13	11	0.18
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	3	0.18
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	5	0.18
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	16	0.18
(1,550)	1:44:A:GLN:HG2	1:45:A:ASN:H	4	0.18
(1,550)	1:44:A:GLN:HG3	1:45:A:ASN:H	4	0.18
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD1	5	0.18
(1,501)	1:40:A:GLY:HA2	1:51:A:TYR:HD2	5	0.18
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD1	1	0.18
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD2	1	0.18
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD1	8	0.18
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD2	8	0.18
(1,486)	1:38:A:PHE:HE1	1:52:A:LYS:H	5	0.18
(1,486)	1:38:A:PHE:HE2	1:52:A:LYS:H	5	0.18
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	8	0.18
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	10	0.18
(1,415)	1:50:A:CYS:HB2	1:33:A:CYS:HA	8	0.18
(1,402)	1:33:A:CYS:HA	1:50:A:CYS:HB2	8	0.18
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	5	0.18
(1,390)	1:32:A:GLU:HB2	1:27:A:THR:H	13	0.18
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG21	14	0.18
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG22	14	0.18
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG23	14	0.18
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	15	0.18
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	15	0.18
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	15	0.18
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	5	0.18
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	5	0.18
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	5	0.18
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	13	0.18
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	13	0.18
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	13	0.18
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	13	0.18
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	13	0.18
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	13	0.18
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	15	0.18
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	15	0.18
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	15	0.18
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	9	0.18
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	5	0.18
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	9	0.18
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	15	0.18
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	20	0.18
(1,110)	1:45:A:ASN:HA	1:46:A:LYS:H	16	0.18
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	14	0.18
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	2	0.18
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	9	0.18
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	9	0.18
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	1	0.18
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	1	0.18
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	1	0.18
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	3	0.18
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	3	0.18
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	3	0.18
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	7	0.18
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	7	0.18
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	7	0.18
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	19	0.18
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	19	0.18
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	13	0.18
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	13	0.18
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	13	0.18
(1,92)	1:39:A:CYS:HB2	1:39:A:CYS:H	2	0.18
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	17	0.18
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	17	0.18
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD1	18	0.18
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD2	18	0.18
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	1	0.18
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	8	0.18
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	11	0.18
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	13	0.18
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	14	0.18
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	2	0.18
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	10	0.18
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	9	0.18
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	2	0.18
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	10	0.18
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	14	0.18
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	4	0.18
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	16	0.18
(1,58)	1:30:A:GLN:HB2	1:30:A:GLN:H	20	0.18
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	10	0.18
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	6	0.18
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	6	0.18
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	6	0.18
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	11	0.18
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	11	0.18
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	11	0.18
(1,44)	1:26:A:CYS:HB2	1:27:A:THR:H	5	0.18
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	3	0.18
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	13	0.18
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	5	0.18
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	17	0.18
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	5	0.18
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	5	0.18
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	3	0.18
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	4	0.18
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	10	0.18
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	2	0.18
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	2	0.18
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	2	0.18
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	2	0.18
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	2	0.18
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	17	0.18
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	17	0.18
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	17	0.18
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	12	0.18
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	17	0.18
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	8	0.18
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	8	0.18
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	18	0.18
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	18	0.18
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD1	7	0.17
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD2	7	0.17
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG21	7	0.17
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG22	7	0.17
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG23	7	0.17
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	9	0.17
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD1	1	0.17
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD2	1	0.17
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD1	1	0.17
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD2	1	0.17
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD1	1	0.17
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD2	1	0.17
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD1	16	0.17
(1,747)	1:53:A:ILE:HB	1:38:A:PHE:HD2	16	0.17
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	18	0.17
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	18	0.17
(1,705)	1:51:A:TYR:H	1:40:A:GLY:H	6	0.17
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD11	1	0.17
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD12	1	0.17
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD13	1	0.17
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD11	1	0.17
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD12	1	0.17
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD13	1	0.17
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	12	0.17
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	12	0.17
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	13	0.17
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE1	20	0.17
(1,647)	1:50:A:CYS:HA	1:51:A:TYR:HE2	20	0.17
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	15	0.17
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:47:A:LYS:HA	1:25:A:ASN:HD22	10	0.17
(1,546)	1:44:A:GLN:HB2	1:45:A:ASN:H	14	0.17
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	2	0.17
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	20	0.17
(1,382)	1:31:A:ASN:HB2	1:32:A:GLU:H	20	0.17
(1,317)	1:26:A:CYS:HB3	1:32:A:GLU:HB3	7	0.17
(1,291)	1:24:A:LYS:HG2	1:25:A:ASN:H	13	0.17
(1,285)	1:24:A:LYS:HD2	1:24:A:LYS:H	17	0.17
(1,285)	1:24:A:LYS:HD3	1:24:A:LYS:H	17	0.17
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	13	0.17
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	18	0.17
(1,210)	1:20:A:VAL:HA	1:21:A:SER:HB3	10	0.17
(1,210)	1:20:A:VAL:HA	1:21:A:SER:HB3	13	0.17
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	4	0.17
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	4	0.17
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE1	10	0.17
(1,169)	1:18:A:ASP:HA	1:17:A:PHE:HE2	10	0.17
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	18	0.17
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	18	0.17
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	18	0.17
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	18	0.17
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	18	0.17
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	18	0.17
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	3	0.17
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	3	0.17
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	9	0.17
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	9	0.17
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	1	0.17
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	18	0.17
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	16	0.17
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG21	3	0.17
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG22	3	0.17
(1,139)	1:54:A:ILE:HA	1:54:A:ILE:HG23	3	0.17
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	1	0.17
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	5	0.17
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	11	0.17
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	15	0.17
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	15	0.17
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	15	0.17
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	3	0.17
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	3	0.17
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:39:A:CYS:HB2	1:39:A:CYS:H	12	0.17
(1,91)	1:39:A:CYS:HB3	1:39:A:CYS:H	10	0.17
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	3	0.17
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	3	0.17
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	5	0.17
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	3	0.17
(1,82)	1:36:A:GLY:HA2	1:36:A:GLY:H	10	0.17
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	8	0.17
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	3	0.17
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	11	0.17
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	8	0.17
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	11	0.17
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	9	0.17
(1,63)	1:32:A:GLU:HA	1:33:A:CYS:H	17	0.17
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	19	0.17
(1,58)	1:30:A:GLN:HB2	1:30:A:GLN:H	15	0.17
(1,55)	1:28:A:SER:HB2	1:28:A:SER:H	17	0.17
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	1	0.17
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	3	0.17
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	20	0.17
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	1	0.17
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	15	0.17
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	20	0.17
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	2	0.17
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	2	0.17
(1,830)	1:48:A:GLY:HA2	1:49:A:HIS:HD2	14	0.16
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG21	18	0.16
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG22	18	0.16
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG23	18	0.16
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG21	19	0.16
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG22	19	0.16
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG23	19	0.16
(1,766)	1:53:A:ILE:HG21	1:55:A:GLY:H	18	0.16
(1,766)	1:53:A:ILE:HG22	1:55:A:GLY:H	18	0.16
(1,766)	1:53:A:ILE:HG23	1:55:A:GLY:H	18	0.16
(1,748)	1:53:A:ILE:HB	1:52:A:LYS:HA	9	0.16
(1,748)	1:53:A:ILE:HB	1:52:A:LYS:HA	14	0.16
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD1	4	0.16
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD2	4	0.16
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD1	4	0.16
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD2	4	0.16
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	2	0.16
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	6	0.16
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	11	0.16
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	12	0.16
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	15	0.16
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	14	0.16
(1,576)	1:46:A:LYS:HA	1:46:A:LYS:HD3	1	0.16
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD11	20	0.16
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD12	20	0.16
(1,478)	1:38:A:PHE:HB2	1:42:A:LEU:HD13	20	0.16
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	5	0.16
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	7	0.16
(1,399)	1:33:A:CYS:HA	1:34:A:PRO:HG2	18	0.16
(1,352)	1:28:A:SER:H	1:41:A:LEU:HD21	16	0.16
(1,352)	1:28:A:SER:H	1:41:A:LEU:HD22	16	0.16
(1,352)	1:28:A:SER:H	1:41:A:LEU:HD23	16	0.16
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	11	0.16
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	7	0.16
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	14	0.16
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	5	0.16
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	5	0.16
(1,235)	1:21:A:SER:HB3	1:23:A:ASN:H	7	0.16
(1,210)	1:20:A:VAL:HA	1:21:A:SER:HB3	18	0.16
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG11	17	0.16
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG12	17	0.16
(1,161)	1:17:A:PHE:HD1	1:19:A:VAL:HG13	17	0.16
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG11	17	0.16
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG12	17	0.16
(1,161)	1:17:A:PHE:HD2	1:19:A:VAL:HG13	17	0.16
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	19	0.16
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	4	0.16
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	4	0.16
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	4	0.16
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	4	0.16
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	4	0.16
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	4	0.16
(1,126)	1:52:A:LYS:HA	1:53:A:ILE:H	20	0.16
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	7	0.16
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	2	0.16
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	10	0.16
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	17	0.16
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	8	0.16
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	15	0.16
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	15	0.16
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD1	7	0.16
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD2	7	0.16
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	6	0.16
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	17	0.16
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	20	0.16
(1,67)	1:33:A:CYS:HB2	1:33:A:CYS:H	4	0.16
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	6	0.16
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	17	0.16
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	6	0.16
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	17	0.16
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	20	0.16
(1,54)	1:28:A:SER:HB3	1:28:A:SER:H	19	0.16
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	5	0.16
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	4	0.16
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	4	0.16
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	4	0.16
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	18	0.16
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	18	0.16
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	18	0.16
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	7	0.16
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	10	0.16
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	17	0.16
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	11	0.16
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	7	0.16
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	18	0.16
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	20	0.16
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	20	0.16
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	20	0.16
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	20	0.16
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	20	0.16
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	20	0.16
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	6	0.16
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	6	0.16
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	6	0.16
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	8	0.16
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	8	0.16
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	8	0.16
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	11	0.16
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	11	0.16
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	6	0.16
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	8	0.16
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	10	0.16
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	12	0.16
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	12	0.16
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	13	0.16
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	13	0.16
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG21	10	0.15
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG22	10	0.15
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG23	10	0.15
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD1	14	0.15
(1,803)	1:55:A:GLY:HA3	1:17:A:PHE:HD2	14	0.15
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	15	0.15
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	15	0.15
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	15	0.15
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD1	10	0.15
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD2	10	0.15
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD1	10	0.15
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD2	10	0.15
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD1	10	0.15
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD2	10	0.15
(1,766)	1:53:A:ILE:HG21	1:55:A:GLY:H	10	0.15
(1,766)	1:53:A:ILE:HG22	1:55:A:GLY:H	10	0.15
(1,766)	1:53:A:ILE:HG23	1:55:A:GLY:H	10	0.15
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	2	0.15
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	2	0.15
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	10	0.15
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	10	0.15
(1,710)	1:52:A:LYS:HA	1:51:A:TYR:H	8	0.15
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	4	0.15
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	4	0.15
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	10	0.15
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	13	0.15
(1,642)	1:50:A:CYS:HA	1:40:A:GLY:H	18	0.15
(1,610)	1:47:A:LYS:HG2	1:48:A:GLY:H	6	0.15
(1,608)	1:47:A:LYS:HG3	1:48:A:GLY:H	17	0.15
(1,594)	1:47:A:LYS:HA	1:41:A:LEU:HD11	13	0.15
(1,594)	1:47:A:LYS:HA	1:41:A:LEU:HD12	13	0.15
(1,594)	1:47:A:LYS:HA	1:41:A:LEU:HD13	13	0.15
(1,587)	1:46:A:LYS:HG3	1:46:A:LYS:H	14	0.15
(1,562)	1:45:A:ASN:HB2	1:41:A:LEU:HD11	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:45:A:ASN:HB2	1:41:A:LEU:HD12	19	0.15
(1,562)	1:45:A:ASN:HB2	1:41:A:LEU:HD13	19	0.15
(1,550)	1:44:A:GLN:HG2	1:45:A:ASN:H	10	0.15
(1,550)	1:44:A:GLN:HG3	1:45:A:ASN:H	10	0.15
(1,546)	1:44:A:GLN:HB2	1:45:A:ASN:H	12	0.15
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD1	12	0.15
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD2	12	0.15
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD1	16	0.15
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD2	16	0.15
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	9	0.15
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	15	0.15
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	20	0.15
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	4	0.15
(1,398)	1:33:A:CYS:HA	1:34:A:PRO:HG3	4	0.15
(1,285)	1:24:A:LYS:HD2	1:24:A:LYS:H	7	0.15
(1,285)	1:24:A:LYS:HD3	1:24:A:LYS:H	7	0.15
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	9	0.15
(1,260)	1:22:A:CYS:HB2	1:50:A:CYS:HA	19	0.15
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	7	0.15
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	7	0.15
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	7	0.15
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	7	0.15
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	7	0.15
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	7	0.15
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	12	0.15
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	12	0.15
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	12	0.15
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	12	0.15
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	12	0.15
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	12	0.15
(1,153)	1:17:A:PHE:HA	1:55:A:GLY:HA2	5	0.15
(1,153)	1:17:A:PHE:HA	1:55:A:GLY:HA2	6	0.15
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	15	0.15
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	15	0.15
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	15	0.15
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	9	0.15
(1,131)	1:53:A:ILE:HB	1:53:A:ILE:H	19	0.15
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG21	16	0.15
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG22	16	0.15
(1,122)	1:51:A:TYR:HB3	1:19:A:VAL:HG23	16	0.15
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	12	0.15
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	18	0.15
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	9	0.15
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	18	0.15
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	18	0.15
(1,113)	1:47:A:LYS:HA	1:48:A:GLY:H	1	0.15
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	13	0.15
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	6	0.15
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	6	0.15
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	16	0.15
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	16	0.15
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	16	0.15
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD21	5	0.15
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD22	5	0.15
(1,94)	1:41:A:LEU:HA	1:41:A:LEU:HD23	5	0.15
(1,92)	1:39:A:CYS:HB2	1:39:A:CYS:H	5	0.15
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	1	0.15
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	1	0.15
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	2	0.15
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	2	0.15
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	10	0.15
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	10	0.15
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD1	5	0.15
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD2	5	0.15
(1,86)	1:38:A:PHE:HA	1:39:A:CYS:H	10	0.15
(1,86)	1:38:A:PHE:HA	1:39:A:CYS:H	15	0.15
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	17	0.15
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	8	0.15
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	10	0.15
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	12	0.15
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	14	0.15
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	18	0.15
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	13	0.15
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	19	0.15
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	12	0.15
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	14	0.15
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	18	0.15
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	2	0.15
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	3	0.15
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	3	0.15
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	9	0.15
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	9	0.15
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	2	0.15
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	19	0.15
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	11	0.15
(1,41)	1:26:A:CYS:HA	1:26:A:CYS:HB3	8	0.15
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	14	0.15
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	14	0.15
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	13	0.15
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	4	0.15
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	4	0.15
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	7	0.15
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	7	0.15
(1,27)	1:21:A:SER:HA	1:22:A:CYS:H	19	0.15
(1,20)	1:20:A:VAL:HA	1:21:A:SER:H	8	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	4	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	4	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	4	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	10	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	10	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	10	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	12	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	12	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	12	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	15	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	15	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	15	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	20	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	20	0.15
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	20	0.15
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD1	18	0.15
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD2	18	0.15
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD1	18	0.15
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD2	18	0.15
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD1	18	0.15
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD2	18	0.15
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD1	18	0.15
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD2	18	0.15
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD1	18	0.15
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD2	18	0.15
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD1	18	0.15
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD2	18	0.15
(1,13)	1:19:A:VAL:HG11	1:19:A:VAL:HA	5	0.15
(1,13)	1:19:A:VAL:HG12	1:19:A:VAL:HA	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:19:A:VAL:HG13	1:19:A:VAL:HA	5	0.15
(1,13)	1:19:A:VAL:HG21	1:19:A:VAL:HA	5	0.15
(1,13)	1:19:A:VAL:HG22	1:19:A:VAL:HA	5	0.15
(1,13)	1:19:A:VAL:HG23	1:19:A:VAL:HA	5	0.15
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG11	5	0.15
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG12	5	0.15
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG13	5	0.15
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG21	5	0.15
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG22	5	0.15
(1,8)	1:19:A:VAL:HA	1:19:A:VAL:HG23	5	0.15
(1,6)	1:18:A:ASP:HA	1:18:A:ASP:HB2	9	0.15
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	11	0.15
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	11	0.15
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	14	0.15
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	14	0.15
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	15	0.15
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	15	0.15
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	12	0.14
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	12	0.14
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	12	0.14
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	18	0.14
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	18	0.14
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	18	0.14
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD1	2	0.14
(1,752)	1:53:A:ILE:HD11	1:51:A:TYR:HD2	2	0.14
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD1	2	0.14
(1,752)	1:53:A:ILE:HD12	1:51:A:TYR:HD2	2	0.14
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD1	2	0.14
(1,752)	1:53:A:ILE:HD13	1:51:A:TYR:HD2	2	0.14
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB2	16	0.14
(1,742)	1:53:A:ILE:HA	1:52:A:LYS:HB3	16	0.14
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	1	0.14
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	1	0.14
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	11	0.14
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	11	0.14
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	12	0.14
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	12	0.14
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD11	2	0.14
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD12	2	0.14
(1,695)	1:51:A:TYR:HD1	1:53:A:ILE:HD13	2	0.14
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD11	2	0.14
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD12	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:51:A:TYR:HD2	1:53:A:ILE:HD13	2	0.14
(1,687)	1:51:A:TYR:HD1	1:40:A:GLY:H	5	0.14
(1,687)	1:51:A:TYR:HD2	1:40:A:GLY:H	5	0.14
(1,684)	1:51:A:TYR:HD1	1:21:A:SER:H	2	0.14
(1,684)	1:51:A:TYR:HD2	1:21:A:SER:H	2	0.14
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	4	0.14
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	11	0.14
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	12	0.14
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	2	0.14
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	14	0.14
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	18	0.14
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	19	0.14
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD11	11	0.14
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD12	11	0.14
(1,615)	1:48:A:GLY:HA3	1:41:A:LEU:HD13	11	0.14
(1,568)	1:45:A:ASN:HB2	1:47:A:LYS:H	1	0.14
(1,550)	1:44:A:GLN:HG2	1:45:A:ASN:H	1	0.14
(1,550)	1:44:A:GLN:HG3	1:45:A:ASN:H	1	0.14
(1,544)	1:44:A:GLN:HB3	1:45:A:ASN:H	20	0.14
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD1	19	0.14
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD2	19	0.14
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	14	0.14
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	4	0.14
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	6	0.14
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	12	0.14
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	13	0.14
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	16	0.14
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	19	0.14
(1,429)	1:34:A:PRO:HD2	1:24:A:LYS:HG2	20	0.14
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	19	0.14
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	19	0.14
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	19	0.14
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	19	0.14
(1,308)	1:25:A:ASN:HD21	1:25:A:ASN:H	12	0.14
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	5	0.14
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	19	0.14
(1,260)	1:22:A:CYS:HB2	1:50:A:CYS:HA	3	0.14
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	11	0.14
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	11	0.14
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	11	0.14
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	11	0.14
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	11	0.14
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	4	0.14
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	4	0.14
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	18	0.14
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	18	0.14
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	19	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	6	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	6	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	6	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	9	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	9	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	9	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	17	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	17	0.14
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	17	0.14
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	18	0.14
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	1	0.14
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	2	0.14
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	10	0.14
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	11	0.14
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	10	0.14
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	12	0.14
(1,113)	1:47:A:LYS:HA	1:48:A:GLY:H	16	0.14
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	11	0.14
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	1	0.14
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	19	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	2	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	2	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	2	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	8	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	8	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	8	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	9	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	9	0.14
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	9	0.14
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	4	0.14
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	4	0.14
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	4	0.14
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	10	0.14
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	10	0.14
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	10	0.14
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	16	0.14
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	16	0.14
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	11	0.14
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	11	0.14
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	16	0.14
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	16	0.14
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	19	0.14
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	19	0.14
(1,86)	1:38:A:PHE:HA	1:39:A:CYS:H	6	0.14
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	18	0.14
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	2	0.14
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	6	0.14
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	17	0.14
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	4	0.14
(1,74)	1:34:A:PRO:HD3	1:33:A:CYS:HA	3	0.14
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	20	0.14
(1,65)	1:33:A:CYS:HA	1:34:A:PRO:HD3	3	0.14
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	5	0.14
(1,54)	1:28:A:SER:HB3	1:28:A:SER:H	18	0.14
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	18	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	3	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	3	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	3	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	7	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	7	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	7	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	10	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	10	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	10	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	17	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	17	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	17	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	20	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	20	0.14
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	20	0.14
(1,44)	1:26:A:CYS:HB2	1:27:A:THR:H	11	0.14
(1,44)	1:26:A:CYS:HB2	1:27:A:THR:H	18	0.14
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	4	0.14
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	14	0.14
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	16	0.14
(1,35)	1:23:A:ASN:HA	1:24:A:LYS:H	20	0.14
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:21:A:SER:HB3	1:21:A:SER:H	14	0.14
(1,23)	1:20:A:VAL:HB	1:21:A:SER:H	12	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	1	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	1	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	1	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	5	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	5	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	5	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	7	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	7	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	7	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	9	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	9	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	9	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	14	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	14	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	14	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	18	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	18	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	18	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	19	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	19	0.14
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	19	0.14
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	6	0.14
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	6	0.14
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	10	0.14
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	10	0.14
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	19	0.14
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	19	0.14
(1,830)	1:48:A:GLY:HA2	1:49:A:HIS:HD2	10	0.13
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG21	15	0.13
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG22	15	0.13
(1,808)	1:55:A:GLY:H	1:53:A:ILE:HG23	15	0.13
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG21	13	0.13
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG22	13	0.13
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG23	13	0.13
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD1	15	0.13
(1,785)	1:54:A:ILE:HD11	1:17:A:PHE:HD2	15	0.13
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD1	15	0.13
(1,785)	1:54:A:ILE:HD12	1:17:A:PHE:HD2	15	0.13
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD1	15	0.13
(1,785)	1:54:A:ILE:HD13	1:17:A:PHE:HD2	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:53:A:ILE:HG21	1:55:A:GLY:H	15	0.13
(1,766)	1:53:A:ILE:HG22	1:55:A:GLY:H	15	0.13
(1,766)	1:53:A:ILE:HG23	1:55:A:GLY:H	15	0.13
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD11	2	0.13
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD12	2	0.13
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD13	2	0.13
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD11	2	0.13
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD12	2	0.13
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD13	2	0.13
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD11	6	0.13
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD12	6	0.13
(1,727)	1:52:A:LYS:HE2	1:54:A:ILE:HD13	6	0.13
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD11	6	0.13
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD12	6	0.13
(1,727)	1:52:A:LYS:HE3	1:54:A:ILE:HD13	6	0.13
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	5	0.13
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	5	0.13
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	6	0.13
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	6	0.13
(1,705)	1:51:A:TYR:H	1:40:A:GLY:H	7	0.13
(1,661)	1:51:A:TYR:HA	1:21:A:SER:HB3	6	0.13
(1,661)	1:51:A:TYR:HA	1:21:A:SER:HB3	13	0.13
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	7	0.13
(1,642)	1:50:A:CYS:HA	1:40:A:GLY:H	20	0.13
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	13	0.13
(1,576)	1:46:A:LYS:HA	1:46:A:LYS:HD3	5	0.13
(1,550)	1:44:A:GLN:HG2	1:45:A:ASN:H	5	0.13
(1,550)	1:44:A:GLN:HG3	1:45:A:ASN:H	5	0.13
(1,550)	1:44:A:GLN:HG2	1:45:A:ASN:H	18	0.13
(1,550)	1:44:A:GLN:HG3	1:45:A:ASN:H	18	0.13
(1,507)	1:41:A:LEU:HA	1:48:A:GLY:H	5	0.13
(1,485)	1:38:A:PHE:HE1	1:40:A:GLY:H	5	0.13
(1,485)	1:38:A:PHE:HE2	1:40:A:GLY:H	5	0.13
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	18	0.13
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	7	0.13
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	11	0.13
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	17	0.13
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	18	0.13
(1,415)	1:50:A:CYS:HB2	1:33:A:CYS:HA	6	0.13
(1,409)	1:50:A:CYS:H	1:25:A:ASN:H	6	0.13
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	9	0.13
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:33:A:CYS:HA	1:50:A:CYS:HB2	6	0.13
(1,394)	1:32:A:GLU:HG2	1:33:A:CYS:H	15	0.13
(1,394)	1:32:A:GLU:HG3	1:33:A:CYS:H	15	0.13
(1,340)	1:27:A:THR:HG21	1:48:A:GLY:H	2	0.13
(1,340)	1:27:A:THR:HG22	1:48:A:GLY:H	2	0.13
(1,340)	1:27:A:THR:HG23	1:48:A:GLY:H	2	0.13
(1,263)	1:22:A:CYS:H	1:52:A:LYS:H	8	0.13
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	6	0.13
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	8	0.13
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	10	0.13
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	17	0.13
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	20	0.13
(1,260)	1:22:A:CYS:HB2	1:50:A:CYS:HA	4	0.13
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	12	0.13
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	12	0.13
(1,235)	1:21:A:SER:HB3	1:23:A:ASN:H	17	0.13
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE1	6	0.13
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE2	6	0.13
(1,197)	1:19:A:VAL:HG11	1:21:A:SER:H	5	0.13
(1,197)	1:19:A:VAL:HG12	1:21:A:SER:H	5	0.13
(1,197)	1:19:A:VAL:HG13	1:21:A:SER:H	5	0.13
(1,197)	1:19:A:VAL:HG21	1:21:A:SER:H	5	0.13
(1,197)	1:19:A:VAL:HG22	1:21:A:SER:H	5	0.13
(1,197)	1:19:A:VAL:HG23	1:21:A:SER:H	5	0.13
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG21	8	0.13
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG22	8	0.13
(1,176)	1:18:A:ASP:HB3	1:20:A:VAL:HG23	8	0.13
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	8	0.13
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	8	0.13
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	8	0.13
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	10	0.13
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	10	0.13
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	10	0.13
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD1	20	0.13
(1,124)	1:51:A:TYR:HB2	1:51:A:TYR:HD2	20	0.13
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD1	10	0.13
(1,123)	1:51:A:TYR:HB3	1:51:A:TYR:HD2	10	0.13
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	3	0.13
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	5	0.13
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	6	0.13
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	14	0.13
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:51:A:TYR:HA	1:52:A:LYS:H	19	0.13
(1,120)	1:51:A:TYR:HA	1:22:A:CYS:H	10	0.13
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	7	0.13
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	16	0.13
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	5	0.13
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	16	0.13
(1,113)	1:47:A:LYS:HA	1:48:A:GLY:H	7	0.13
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	13	0.13
(1,107)	1:44:A:GLN:HA	1:45:A:ASN:H	7	0.13
(1,106)	1:44:A:GLN:HA	1:44:A:GLN:HG2	1	0.13
(1,106)	1:44:A:GLN:HA	1:44:A:GLN:HG3	1	0.13
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	1	0.13
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	1	0.13
(1,97)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	1	0.13
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	6	0.13
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	6	0.13
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD1	12	0.13
(1,88)	1:38:A:PHE:HB2	1:38:A:PHE:HD2	12	0.13
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD1	14	0.13
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD2	14	0.13
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	5	0.13
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	7	0.13
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	7	0.13
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	9	0.13
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	12	0.13
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	13	0.13
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	14	0.13
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	18	0.13
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	2	0.13
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	9	0.13
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	13	0.13
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	17	0.13
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	20	0.13
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	2	0.13
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	5	0.13
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	7	0.13
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	15	0.13
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	8	0.13
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	12	0.13
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	20	0.13
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	20	0.13
(1,61)	1:31:A:ASN:HA	1:32:A:GLU:H	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:28:A:SER:HB3	1:28:A:SER:H	20	0.13
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	3	0.13
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	5	0.13
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	9	0.13
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	13	0.13
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	18	0.13
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	12	0.13
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	19	0.13
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	2	0.13
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	17	0.13
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	16	0.13
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	16	0.13
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	16	0.13
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	16	0.13
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	16	0.13
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	16	0.13
(1,20)	1:20:A:VAL:HA	1:21:A:SER:H	6	0.13
(1,20)	1:20:A:VAL:HA	1:21:A:SER:H	17	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	2	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	2	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	2	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	3	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	3	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	3	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	13	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	13	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	13	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG11	16	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG12	16	0.13
(1,19)	1:20:A:VAL:HA	1:20:A:VAL:HG13	16	0.13
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD1	13	0.13
(1,16)	1:19:A:VAL:HG11	1:51:A:TYR:HD2	13	0.13
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD1	13	0.13
(1,16)	1:19:A:VAL:HG12	1:51:A:TYR:HD2	13	0.13
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD1	13	0.13
(1,16)	1:19:A:VAL:HG13	1:51:A:TYR:HD2	13	0.13
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD1	13	0.13
(1,16)	1:19:A:VAL:HG21	1:51:A:TYR:HD2	13	0.13
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD1	13	0.13
(1,16)	1:19:A:VAL:HG22	1:51:A:TYR:HD2	13	0.13
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD1	13	0.13
(1,16)	1:19:A:VAL:HG23	1:51:A:TYR:HD2	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	3	0.13
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	4	0.13
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	7	0.13
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	7	0.13
(1,777)	1:54:A:ILE:HB	1:18:A:ASP:H	2	0.12
(1,764)	1:53:A:ILE:HG21	1:18:A:ASP:H	4	0.12
(1,764)	1:53:A:ILE:HG22	1:18:A:ASP:H	4	0.12
(1,764)	1:53:A:ILE:HG23	1:18:A:ASP:H	4	0.12
(1,748)	1:53:A:ILE:HB	1:52:A:LYS:HA	1	0.12
(1,748)	1:53:A:ILE:HB	1:52:A:LYS:HA	7	0.12
(1,748)	1:53:A:ILE:HB	1:52:A:LYS:HA	18	0.12
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	7	0.12
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	7	0.12
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	9	0.12
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	9	0.12
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD1	5	0.12
(1,686)	1:51:A:TYR:HD1	1:38:A:PHE:HD2	5	0.12
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD1	5	0.12
(1,686)	1:51:A:TYR:HD2	1:38:A:PHE:HD2	5	0.12
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	17	0.12
(1,659)	1:51:A:TYR:HA	1:20:A:VAL:H	19	0.12
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	9	0.12
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	17	0.12
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	2	0.12
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	5	0.12
(1,594)	1:47:A:LYS:HA	1:41:A:LEU:HD11	19	0.12
(1,594)	1:47:A:LYS:HA	1:41:A:LEU:HD12	19	0.12
(1,594)	1:47:A:LYS:HA	1:41:A:LEU:HD13	19	0.12
(1,587)	1:46:A:LYS:HG3	1:46:A:LYS:H	18	0.12
(1,586)	1:46:A:LYS:HD3	1:46:A:LYS:H	9	0.12
(1,466)	1:37:A:CYS:H	1:35:A:GLU:H	13	0.12
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	1	0.12
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	3	0.12
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	8	0.12
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	10	0.12
(1,442)	1:35:A:GLU:H	1:36:A:GLY:H	14	0.12
(1,399)	1:33:A:CYS:HA	1:34:A:PRO:HG2	8	0.12
(1,389)	1:32:A:GLU:HB2	1:26:A:CYS:HA	7	0.12
(1,345)	1:28:A:SER:HB3	1:41:A:LEU:HD11	9	0.12
(1,345)	1:28:A:SER:HB3	1:41:A:LEU:HD12	9	0.12
(1,345)	1:28:A:SER:HB3	1:41:A:LEU:HD13	9	0.12
(1,333)	1:27:A:THR:HB	1:30:A:GLN:HG2	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:26:A:CYS:HA	1:32:A:GLU:HB2	7	0.12
(1,308)	1:25:A:ASN:HD21	1:25:A:ASN:H	16	0.12
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	18	0.12
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	2	0.12
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	3	0.12
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	15	0.12
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	16	0.12
(1,210)	1:20:A:VAL:HA	1:21:A:SER:HB3	14	0.12
(1,210)	1:20:A:VAL:HA	1:21:A:SER:HB3	16	0.12
(1,210)	1:20:A:VAL:HA	1:21:A:SER:HB3	19	0.12
(1,185)	1:18:A:ASP:H	1:53:A:ILE:HG21	4	0.12
(1,185)	1:18:A:ASP:H	1:53:A:ILE:HG22	4	0.12
(1,185)	1:18:A:ASP:H	1:53:A:ILE:HG23	4	0.12
(1,174)	1:18:A:ASP:HB3	1:19:A:VAL:HG11	8	0.12
(1,174)	1:18:A:ASP:HB3	1:19:A:VAL:HG12	8	0.12
(1,174)	1:18:A:ASP:HB3	1:19:A:VAL:HG13	8	0.12
(1,174)	1:18:A:ASP:HB3	1:19:A:VAL:HG21	8	0.12
(1,174)	1:18:A:ASP:HB3	1:19:A:VAL:HG22	8	0.12
(1,174)	1:18:A:ASP:HB3	1:19:A:VAL:HG23	8	0.12
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	2	0.12
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	2	0.12
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	2	0.12
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	19	0.12
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	19	0.12
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	19	0.12
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	15	0.12
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	6	0.12
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	6	0.12
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	6	0.12
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	6	0.12
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	6	0.12
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	6	0.12
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD1	11	0.12
(1,135)	1:53:A:ILE:HG21	1:17:A:PHE:HD2	11	0.12
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD1	11	0.12
(1,135)	1:53:A:ILE:HG22	1:17:A:PHE:HD2	11	0.12
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD1	11	0.12
(1,135)	1:53:A:ILE:HG23	1:17:A:PHE:HD2	11	0.12
(1,127)	1:52:A:LYS:HB2	1:52:A:LYS:H	9	0.12
(1,127)	1:52:A:LYS:HB3	1:52:A:LYS:H	9	0.12
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	13	0.12
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	19	0.12
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	19	0.12
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	2	0.12
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	14	0.12
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	2	0.12
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	12	0.12
(1,106)	1:44:A:GLN:HA	1:44:A:GLN:HG2	15	0.12
(1,106)	1:44:A:GLN:HA	1:44:A:GLN:HG3	15	0.12
(1,105)	1:43:A:GLY:HA2	1:44:A:GLN:H	17	0.12
(1,105)	1:43:A:GLY:HA3	1:44:A:GLN:H	17	0.12
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	7	0.12
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	7	0.12
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	7	0.12
(1,91)	1:39:A:CYS:HB3	1:39:A:CYS:H	5	0.12
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD1	13	0.12
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD2	13	0.12
(1,86)	1:38:A:PHE:HA	1:39:A:CYS:H	18	0.12
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	1	0.12
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	6	0.12
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	1	0.12
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	15	0.12
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	19	0.12
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	1	0.12
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	5	0.12
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	7	0.12
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	8	0.12
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	10	0.12
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	11	0.12
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	14	0.12
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	16	0.12
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	14	0.12
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	15	0.12
(1,58)	1:30:A:GLN:HB2	1:30:A:GLN:H	10	0.12
(1,54)	1:28:A:SER:HB3	1:28:A:SER:H	10	0.12
(1,54)	1:28:A:SER:HB3	1:28:A:SER:H	15	0.12
(1,54)	1:28:A:SER:HB3	1:28:A:SER:H	16	0.12
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	9	0.12
(1,50)	1:27:A:THR:HB	1:28:A:SER:H	8	0.12
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	7	0.12
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	11	0.12
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	15	0.12
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	12	0.12
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	12	0.12
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	17	0.12
(1,42)	1:26:A:CYS:HA	1:26:A:CYS:HB2	19	0.12
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	20	0.12
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	9	0.12
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	20	0.12
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	3	0.12
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	6	0.12
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	3	0.12
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	3	0.12
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	14	0.12
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	14	0.12
(1,23)	1:20:A:VAL:HB	1:21:A:SER:H	8	0.12
(1,20)	1:20:A:VAL:HA	1:21:A:SER:H	20	0.12
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	15	0.12
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	19	0.12
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	1	0.12
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	1	0.12
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	5	0.12
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	5	0.12
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB2	20	0.12
(1,1)	1:17:A:PHE:HA	1:17:A:PHE:HB3	20	0.12
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	20	0.11
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	20	0.11
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	20	0.11
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG21	17	0.11
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG22	17	0.11
(1,794)	1:54:A:ILE:HG12	1:20:A:VAL:HG23	17	0.11
(1,786)	1:54:A:ILE:HD11	1:53:A:ILE:HD11	2	0.11
(1,786)	1:54:A:ILE:HD11	1:53:A:ILE:HD12	2	0.11
(1,786)	1:54:A:ILE:HD11	1:53:A:ILE:HD13	2	0.11
(1,786)	1:54:A:ILE:HD12	1:53:A:ILE:HD11	2	0.11
(1,786)	1:54:A:ILE:HD12	1:53:A:ILE:HD12	2	0.11
(1,786)	1:54:A:ILE:HD12	1:53:A:ILE:HD13	2	0.11
(1,786)	1:54:A:ILE:HD13	1:53:A:ILE:HD11	2	0.11
(1,786)	1:54:A:ILE:HD13	1:53:A:ILE:HD12	2	0.11
(1,786)	1:54:A:ILE:HD13	1:53:A:ILE:HD13	2	0.11
(1,765)	1:53:A:ILE:HG21	1:19:A:VAL:HA	19	0.11
(1,765)	1:53:A:ILE:HG22	1:19:A:VAL:HA	19	0.11
(1,765)	1:53:A:ILE:HG23	1:19:A:VAL:HA	19	0.11
(1,723)	1:52:A:LYS:HD2	1:53:A:ILE:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:52:A:LYS:HD3	1:53:A:ILE:H	15	0.11
(1,716)	1:52:A:LYS:HB2	1:38:A:PHE:H	12	0.11
(1,716)	1:52:A:LYS:HB3	1:38:A:PHE:H	12	0.11
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	10	0.11
(1,627)	1:49:A:HIS:HA	1:49:A:HIS:HD2	11	0.11
(1,620)	1:48:A:GLY:HA2	1:41:A:LEU:HD21	4	0.11
(1,620)	1:48:A:GLY:HA2	1:41:A:LEU:HD22	4	0.11
(1,620)	1:48:A:GLY:HA2	1:41:A:LEU:HD23	4	0.11
(1,535)	1:43:A:GLY:H	1:42:A:LEU:HD11	20	0.11
(1,535)	1:43:A:GLY:H	1:42:A:LEU:HD12	20	0.11
(1,535)	1:43:A:GLY:H	1:42:A:LEU:HD13	20	0.11
(1,524)	1:42:A:LEU:HD11	1:43:A:GLY:H	20	0.11
(1,524)	1:42:A:LEU:HD12	1:43:A:GLY:H	20	0.11
(1,524)	1:42:A:LEU:HD13	1:43:A:GLY:H	20	0.11
(1,510)	1:41:A:LEU:HB2	1:42:A:LEU:H	20	0.11
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD1	4	0.11
(1,495)	1:40:A:GLY:HA3	1:38:A:PHE:HD2	4	0.11
(1,485)	1:38:A:PHE:HE1	1:40:A:GLY:H	19	0.11
(1,485)	1:38:A:PHE:HE2	1:40:A:GLY:H	19	0.11
(1,407)	1:33:A:CYS:HB2	1:37:A:CYS:H	13	0.11
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	3	0.11
(1,406)	1:50:A:CYS:HB3	1:37:A:CYS:HA	15	0.11
(1,399)	1:33:A:CYS:HA	1:34:A:PRO:HG2	1	0.11
(1,391)	1:32:A:GLU:HB2	1:33:A:CYS:H	8	0.11
(1,311)	1:26:A:CYS:HA	1:32:A:GLU:HB3	3	0.11
(1,308)	1:25:A:ASN:HD21	1:25:A:ASN:H	7	0.11
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	1	0.11
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	12	0.11
(1,260)	1:22:A:CYS:HB2	1:50:A:CYS:HA	12	0.11
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE1	7	0.11
(1,243)	1:21:A:SER:HB2	1:51:A:TYR:HE2	7	0.11
(1,210)	1:20:A:VAL:HA	1:21:A:SER:HB3	9	0.11
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG21	19	0.11
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG22	19	0.11
(1,190)	1:19:A:VAL:HA	1:53:A:ILE:HG23	19	0.11
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	8	0.11
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	8	0.11
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	10	0.11
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	10	0.11
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	11	0.11
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	11	0.11
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE1	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:17:A:PHE:HA	1:17:A:PHE:HE2	15	0.11
(1,148)	1:55:A:GLY:HA2	1:55:A:GLY:H	13	0.11
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	4	0.11
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	4	0.11
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	4	0.11
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	20	0.11
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	20	0.11
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	20	0.11
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	1	0.11
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	10	0.11
(1,140)	1:54:A:ILE:HA	1:55:A:GLY:H	14	0.11
(1,127)	1:52:A:LYS:HB2	1:52:A:LYS:H	7	0.11
(1,127)	1:52:A:LYS:HB3	1:52:A:LYS:H	7	0.11
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	2	0.11
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	2	0.11
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	11	0.11
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	11	0.11
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	15	0.11
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	15	0.11
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	18	0.11
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	18	0.11
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	6	0.11
(1,115)	1:49:A:HIS:HA	1:49:A:HIS:HB2	13	0.11
(1,113)	1:47:A:LYS:HA	1:48:A:GLY:H	3	0.11
(1,113)	1:47:A:LYS:HA	1:48:A:GLY:H	5	0.11
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	19	0.11
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	3	0.11
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	5	0.11
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	11	0.11
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	15	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	14	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	14	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	14	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	18	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	18	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	18	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD11	19	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD12	19	0.11
(1,103)	1:42:A:LEU:HB3	1:42:A:LEU:HD13	19	0.11
(1,92)	1:39:A:CYS:HB2	1:39:A:CYS:H	6	0.11
(1,91)	1:39:A:CYS:HB3	1:39:A:CYS:H	1	0.11
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	4	0.11
(1,85)	1:37:A:CYS:H	1:36:A:GLY:H	16	0.11
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	3	0.11
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	4	0.11
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	11	0.11
(1,81)	1:35:A:GLU:HB2	1:35:A:GLU:H	8	0.11
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	3	0.11
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	6	0.11
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	12	0.11
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	15	0.11
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	18	0.11
(1,77)	1:34:A:PRO:HD2	1:34:A:PRO:HG2	19	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	3	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	4	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	7	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	8	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	10	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	11	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	12	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	14	0.11
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	18	0.11
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	1	0.11
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	10	0.11
(1,66)	1:33:A:CYS:HA	1:34:A:PRO:HD2	12	0.11
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	6	0.11
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	16	0.11
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	18	0.11
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG2	4	0.11
(1,62)	1:32:A:GLU:HA	1:32:A:GLU:HG3	4	0.11
(1,59)	1:30:A:GLN:H	1:31:A:ASN:H	20	0.11
(1,55)	1:28:A:SER:HB2	1:28:A:SER:H	2	0.11
(1,55)	1:28:A:SER:HB2	1:28:A:SER:H	11	0.11
(1,54)	1:28:A:SER:HB3	1:28:A:SER:H	4	0.11
(1,52)	1:28:A:SER:HA	1:28:A:SER:H	17	0.11
(1,48)	1:27:A:THR:HA	1:28:A:SER:H	20	0.11
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	13	0.11
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	13	0.11
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	13	0.11
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG21	15	0.11
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG22	15	0.11
(1,46)	1:27:A:THR:HA	1:27:A:THR:HG23	15	0.11
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:26:A:CYS:HA	1:27:A:THR:H	20	0.11
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	10	0.11
(1,37)	1:24:A:LYS:HA	1:25:A:ASN:H	11	0.11
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	1	0.11
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	1	0.11
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	19	0.11
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	19	0.11
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG21	3	0.11
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG22	3	0.11
(1,25)	1:20:A:VAL:H	1:20:A:VAL:HG23	3	0.11
(1,24)	1:20:A:VAL:HG21	1:20:A:VAL:H	3	0.11
(1,24)	1:20:A:VAL:HG22	1:20:A:VAL:H	3	0.11
(1,24)	1:20:A:VAL:HG23	1:20:A:VAL:H	3	0.11
(1,20)	1:20:A:VAL:HA	1:21:A:SER:H	12	0.11
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	1	0.11
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	11	0.11
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	14	0.11
(1,7)	1:18:A:ASP:HA	1:19:A:VAL:H	16	0.11
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG21	8	0.1
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG22	8	0.1
(1,800)	1:53:A:ILE:H	1:19:A:VAL:HG23	8	0.1
(1,792)	1:54:A:ILE:HG13	1:55:A:GLY:H	19	0.1
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG21	2	0.1
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG22	2	0.1
(1,706)	1:52:A:LYS:HA	1:20:A:VAL:HG23	2	0.1
(1,681)	1:51:A:TYR:HD1	1:17:A:PHE:HE1	2	0.1
(1,681)	1:51:A:TYR:HD1	1:17:A:PHE:HE2	2	0.1
(1,681)	1:51:A:TYR:HD2	1:17:A:PHE:HE1	2	0.1
(1,681)	1:51:A:TYR:HD2	1:17:A:PHE:HE2	2	0.1
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	4	0.1
(1,656)	1:50:A:CYS:H	1:51:A:TYR:H	6	0.1
(1,606)	1:47:A:LYS:HD2	1:47:A:LYS:H	15	0.1
(1,606)	1:47:A:LYS:HD3	1:47:A:LYS:H	15	0.1
(1,564)	1:45:A:ASN:HB2	1:42:A:LEU:H	9	0.1
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD21	15	0.1
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD22	15	0.1
(1,479)	1:38:A:PHE:HB2	1:42:A:LEU:HD23	15	0.1
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	1	0.1
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	1	0.1
(1,392)	1:32:A:GLU:HG2	1:26:A:CYS:HA	4	0.1
(1,392)	1:32:A:GLU:HG3	1:26:A:CYS:HA	4	0.1
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	1	0.1
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG2	4	0.1
(1,313)	1:26:A:CYS:HA	1:32:A:GLU:HG3	4	0.1
(1,272)	1:23:A:ASN:HB2	1:24:A:LYS:H	17	0.1
(1,268)	1:23:A:ASN:HB3	1:24:A:LYS:H	16	0.1
(1,262)	1:22:A:CYS:H	1:21:A:SER:H	11	0.1
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE1	16	0.1
(1,231)	1:21:A:SER:HA	1:51:A:TYR:HE2	16	0.1
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG21	1	0.1
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG22	1	0.1
(1,143)	1:54:A:ILE:HG13	1:54:A:ILE:HG23	1	0.1
(1,131)	1:53:A:ILE:HB	1:53:A:ILE:H	3	0.1
(1,128)	1:53:A:ILE:HA	1:53:A:ILE:HG21	5	0.1
(1,128)	1:53:A:ILE:HA	1:53:A:ILE:HG22	5	0.1
(1,128)	1:53:A:ILE:HA	1:53:A:ILE:HG23	5	0.1
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	5	0.1
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	5	0.1
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB2	14	0.1
(1,125)	1:52:A:LYS:HA	1:52:A:LYS:HB3	14	0.1
(1,116)	1:49:A:HIS:HA	1:50:A:CYS:H	20	0.1
(1,112)	1:45:A:ASN:HB2	1:46:A:LYS:H	6	0.1
(1,108)	1:45:A:ASN:HA	1:45:A:ASN:HB3	16	0.1
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	1	0.1
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	1	0.1
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	1	0.1
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	3	0.1
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	3	0.1
(1,96)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	3	0.1
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD1	9	0.1
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD2	9	0.1
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD1	20	0.1
(1,87)	1:38:A:PHE:HB3	1:38:A:PHE:HD2	20	0.1
(1,83)	1:37:A:CYS:HA	1:38:A:PHE:H	16	0.1
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	1	0.1
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	2	0.1
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	5	0.1
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	9	0.1
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	13	0.1
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	15	0.1
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	19	0.1
(1,69)	1:34:A:PRO:HA	1:34:A:PRO:HB3	20	0.1
(1,64)	1:32:A:GLU:HB2	1:32:A:GLU:H	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:30:A:GLN:HB2	1:30:A:GLN:H	11	0.1
(1,58)	1:30:A:GLN:HB2	1:30:A:GLN:H	19	0.1
(1,55)	1:28:A:SER:HB2	1:28:A:SER:H	12	0.1
(1,50)	1:27:A:THR:HB	1:28:A:SER:H	1	0.1
(1,40)	1:25:A:ASN:HB2	1:25:A:ASN:H	18	0.1
(1,38)	1:25:A:ASN:HA	1:26:A:CYS:H	6	0.1
(1,32)	1:22:A:CYS:H	1:23:A:ASN:H	1	0.1
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD1	10	0.1
(1,28)	1:21:A:SER:HA	1:51:A:TYR:HD2	10	0.1
(1,23)	1:20:A:VAL:HB	1:21:A:SER:H	17	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found