

ATOM N	1	N	GLN X	1	0.000	0.000	0.000	1.00	0.00
ATOM H	2	HT1	GLN X	1	0.825	-0.422	0.472	1.00	0.00
ATOM H	3	HT2	GLN X	1	-0.837	-0.599	0.147	1.00	0.00
ATOM H	4	HT3	GLN X	1	-0.217	0.945	0.374	1.00	0.00
ATOM C	5	CA	GLN X	1	0.200	0.097	-1.444	1.00	0.00
ATOM H	6	HA	GLN X	1	-0.677	0.510	-1.921	1.00	0.00
ATOM C	7	CB	GLN X	1	1.301	1.230	-1.745	1.00	0.00
ATOM H	8	HB1	GLN X	1	1.062	2.114	-1.117	1.00	0.00
ATOM H	9	HB2	GLN X	1	1.102	1.672	-2.745	1.00	0.00
ATOM C	10	CG	GLN X	1	2.831	0.871	-1.602	1.00	0.00
ATOM H	11	HG1	GLN X	1	3.550	1.672	-1.878	1.00	0.00
ATOM H	12	HG2	GLN X	1	2.990	-0.048	-2.206	1.00	0.00
ATOM C	13	CD	GLN X	1	3.228	0.352	-0.164	1.00	0.00
ATOM O	14	OE1	GLN X	1	2.757	-0.615	0.309	1.00	0.00
ATOM N	15	NE2	GLN X	1	4.363	0.925	0.428	1.00	0.00
ATOM H	16	HE21	GLN X	1	4.663	0.625	1.334	1.00	0.00
ATOM H	17	HE22	GLN X	1	4.623	1.858	0.178	1.00	0.00
ATOM C	18	C	GLN X	1	0.511	-1.150	-2.183	1.00	0.00
ATOM O	19	O	GLN X	1	0.858	-2.197	-1.587	1.00	0.00
ATOM N	20	N	VAL X	2	0.440	-1.093	-3.522	1.00	0.00
ATOM H	21	HN	VAL X	2	0.316	-0.242	-4.027	1.00	0.00
ATOM C	22	CA	VAL X	2	0.489	-2.225	-4.328	1.00	0.00
ATOM H	23	HA	VAL X	2	0.438	-3.210	-3.888	1.00	0.00
ATOM C	24	CB	VAL X	2	-0.662	-1.984	-5.338	1.00	0.00
ATOM H	25	HB	VAL X	2	-0.485	-1.087	-5.969	1.00	0.00

ATOM C	51	C	GLN X	3	4.167	-4.873	-5.518	1.00	0.00
ATOM O	52	O	GLN X	3	3.484	-5.529	-4.710	1.00	0.00
ATOM N	53	N	LEU X	4	4.947	-5.394	-6.448	1.00	0.00
ATOM H	54	HN	LEU X	4	5.385	-4.826	-7.141	1.00	0.00
ATOM C	55	CA	LEU X	4	5.159	-6.856	-6.531	1.00	0.00
ATOM H	56	HA	LEU X	4	4.762	-7.412	-5.694	1.00	0.00
ATOM C	57	CB	LEU X	4	4.547	-7.454	-7.859	1.00	0.00
ATOM H	58	HB1	LEU X	4	4.878	-8.511	-7.932	1.00	0.00
ATOM H	59	HB2	LEU X	4	5.052	-6.966	-8.720	1.00	0.00
ATOM C	60	CG	LEU X	4	3.006	-7.453	-7.918	1.00	0.00
ATOM H	61	HG	LEU X	4	2.647	-7.529	-6.869	1.00	0.00
ATOM C	62	CD1	LEU X	4	2.429	-6.147	-8.580	1.00	0.00
ATOM H	63	HD11	LEU X	4	2.808	-6.023	-9.617	1.00	0.00
ATOM H	64	HD12	LEU X	4	2.771	-5.253	-8.015	1.00	0.00
ATOM H	65	HD13	LEU X	4	1.320	-6.135	-8.649	1.00	0.00
ATOM C	66	CD2	LEU X	4	2.493	-8.601	-8.758	1.00	0.00
ATOM H	67	HD21	LEU X	4	1.382	-8.602	-8.733	1.00	0.00
ATOM H	68	HD22	LEU X	4	2.779	-9.562	-8.280	1.00	0.00
ATOM H	69	HD23	LEU X	4	2.771	-8.501	-9.829	1.00	0.00
ATOM C	70	C	LEU X	4	6.647	-7.152	-6.611	1.00	0.00
ATOM O	71	O	LEU X	4	7.549	-6.352	-6.800	1.00	0.00
ATOM N	72	N	VAL X	5	6.924	-8.440	-6.146	1.00	0.00
ATOM H	73	HN	VAL X	5	6.195	-8.965	-5.713	1.00	0.00
ATOM C	74	CA	VAL X	5	8.294	-8.981	-6.070	1.00	0.00
ATOM H	75	HA	VAL X	5	9.018	-8.181	-6.099	1.00	0.00

ATOM C	101	C	GLU	X	6	10.730	-11.652	-9.241	1.00	0.00
ATOM O	102	O	GLU	X	6	11.581	-11.729	-8.414	1.00	0.00
ATOM N	103	N	SER	X	7	10.472	-12.671	-10.121	1.00	0.00
ATOM H	104	HN	SER	X	7	9.635	-12.749	-10.657	1.00	0.00
ATOM C	105	CA	SER	X	7	11.349	-13.850	-10.326	1.00	0.00
ATOM H	106	HA	SER	X	7	12.334	-13.552	-9.997	1.00	0.00
ATOM C	107	CB	SER	X	7	10.754	-15.064	-9.589	1.00	0.00
ATOM H	108	HB1	SER	X	7	10.005	-15.570	-10.234	1.00	0.00
ATOM H	109	HB2	SER	X	7	10.167	-14.761	-8.696	1.00	0.00
ATOM O	110	OG	SER	X	7	11.742	-16.001	-9.275	1.00	0.00
ATOM H	111	HG1	SER	X	7	12.174	-15.821	-8.436	1.00	0.00
ATOM C	112	C	SER	X	7	11.529	-14.316	-11.792	1.00	0.00
ATOM O	113	O	SER	X	7	10.799	-13.800	-12.623	1.00	0.00
ATOM N	114	N	GLY	X	8	12.447	-15.216	-12.069	1.00	0.00
ATOM H	115	HN	GLY	X	8	12.953	-15.561	-11.282	1.00	0.00
ATOM C	116	CA	GLY	X	8	12.745	-15.541	-13.501	1.00	0.00
ATOM H	117	HA1	GLY	X	8	11.881	-15.744	-14.116	1.00	0.00
ATOM H	118	HA2	GLY	X	8	13.308	-16.458	-13.399	1.00	0.00
ATOM C	119	C	GLY	X	8	13.567	-14.458	-14.255	1.00	0.00
ATOM O	120	O	GLY	X	8	13.925	-13.417	-13.683	1.00	0.00
ATOM N	121	N	GLY	X	9	13.937	-14.635	-15.522	1.00	0.00
ATOM H	122	HN	GLY	X	9	13.740	-15.423	-16.101	1.00	0.00
ATOM C	123	CA	GLY	X	9	14.646	-13.676	-16.368	1.00	0.00
ATOM H	124	HA1	GLY	X	9	14.919	-12.818	-15.773	1.00	0.00
ATOM H	125	HA2	GLY	X	9	14.139	-13.388	-17.277	1.00	0.00

ATOM C	126	C	GLY X	9	15.906	-14.297	-16.837	1.00	0.00
ATOM O	127	O	GLY X	9	16.077	-15.505	-16.809	1.00	0.00
ATOM N	128	N	GLY X	10	16.862	-13.338	-17.256	1.00	0.00
ATOM H	129	HN	GLY X	10	16.397	-12.457	-17.300	1.00	0.00
ATOM C	130	CA	GLY X	10	18.241	-13.667	-17.638	1.00	0.00
ATOM H	131	HA1	GLY X	10	18.647	-14.214	-16.800	1.00	0.00
ATOM H	132	HA2	GLY X	10	18.688	-12.698	-17.804	1.00	0.00
ATOM C	133	C	GLY X	10	18.407	-14.237	-19.010	1.00	0.00
ATOM O	134	O	GLY X	10	17.502	-14.247	-19.821	1.00	0.00
ATOM N	135	N	VAL X	11	19.628	-14.745	-19.357	1.00	0.00
ATOM H	136	HN	VAL X	11	20.330	-14.706	-18.651	1.00	0.00
ATOM C	137	CA	VAL X	11	20.035	-15.298	-20.614	1.00	0.00
ATOM H	138	HA	VAL X	11	19.702	-14.654	-21.415	1.00	0.00
ATOM C	139	CB	VAL X	11	21.559	-15.490	-20.488	1.00	0.00
ATOM H	140	HB	VAL X	11	21.845	-16.235	-19.715	1.00	0.00
ATOM C	141	CG1	VAL X	11	22.119	-16.120	-21.726	1.00	0.00
ATOM H	142	HG11	VAL X	11	23.218	-16.252	-21.640	1.00	0.00
ATOM H	143	HG12	VAL X	11	21.952	-15.474	-22.615	1.00	0.00
ATOM H	144	HG13	VAL X	11	21.620	-17.097	-21.900	1.00	0.00
ATOM C	145	CG2	VAL X	11	22.307	-14.222	-20.109	1.00	0.00
ATOM H	146	HG21	VAL X	11	22.187	-13.989	-19.029	1.00	0.00
ATOM H	147	HG22	VAL X	11	22.061	-13.322	-20.712	1.00	0.00
ATOM H	148	HG23	VAL X	11	23.365	-14.403	-20.394	1.00	0.00
ATOM C	149	C	VAL X	11	19.345	-16.654	-20.949	1.00	0.00
ATOM O	150	O	VAL X	11	19.577	-17.699	-20.338	1.00	0.00

ATOM N	151	N	VAL X	12	18.600	-16.586	-22.056	1.00	0.00
ATOM H	152	HN	VAL X	12	18.523	-15.717	-22.539	1.00	0.00
ATOM C	153	CA	VAL X	12	18.000	-17.814	-22.616	1.00	0.00
ATOM H	154	HA	VAL X	12	18.149	-18.580	-21.870	1.00	0.00
ATOM C	155	CB	VAL X	12	16.505	-17.584	-22.830	1.00	0.00
ATOM H	156	HB	VAL X	12	16.291	-16.741	-23.522	1.00	0.00
ATOM C	157	CG1	VAL X	12	15.941	-18.806	-23.541	1.00	0.00
ATOM H	158	HG11	VAL X	12	16.119	-18.662	-24.628	1.00	0.00
ATOM H	159	HG12	VAL X	12	14.836	-18.786	-23.431	1.00	0.00
ATOM H	160	HG13	VAL X	12	16.386	-19.749	-23.156	1.00	0.00
ATOM C	161	CG2	VAL X	12	15.825	-17.551	-21.452	1.00	0.00
ATOM H	162	HG21	VAL X	12	16.161	-16.602	-20.982	1.00	0.00
ATOM H	163	HG22	VAL X	12	16.157	-18.460	-20.906	1.00	0.00
ATOM H	164	HG23	VAL X	12	14.723	-17.612	-21.579	1.00	0.00
ATOM C	165	C	VAL X	12	18.685	-18.337	-23.858	1.00	0.00
ATOM O	166	O	VAL X	12	18.751	-17.734	-24.913	1.00	0.00
ATOM N	167	N	GLN X	13	19.145	-19.612	-23.758	1.00	0.00
ATOM H	168	HN	GLN X	13	19.037	-20.141	-22.919	1.00	0.00
ATOM C	169	CA	GLN X	13	19.603	-20.258	-24.960	1.00	0.00
ATOM H	170	HA	GLN X	13	20.473	-19.672	-25.216	1.00	0.00
ATOM C	171	CB	GLN X	13	20.179	-21.752	-24.747	1.00	0.00
ATOM H	172	HB1	GLN X	13	20.381	-22.295	-25.695	1.00	0.00
ATOM H	173	HB2	GLN X	13	19.293	-22.157	-24.213	1.00	0.00
ATOM C	174	CG	GLN X	13	21.460	-21.809	-23.890	1.00	0.00
ATOM H	175	HG1	GLN X	13	21.234	-21.378	-22.891	1.00	0.00

ATOM H	176	HG2	GLN	X	13	22.227	-21.262	-24.479	1.00	0.00
ATOM C	177	CD	GLN	X	13	21.732	-23.226	-23.553	1.00	0.00
ATOM O	178	OE1	GLN	X	13	21.479	-23.647	-22.440	1.00	0.00
ATOM N	179	NE2	GLN	X	13	22.270	-24.026	-24.446	1.00	0.00
ATOM H	180	HE21	GLN	X	13	22.720	-23.629	-25.246	1.00	0.00
ATOM H	181	HE22	GLN	X	13	22.414	-24.965	-24.134	1.00	0.00
ATOM C	182	C	GLN	X	13	18.630	-20.285	-26.166	1.00	0.00
ATOM O	183	O	GLN	X	13	17.402	-20.537	-25.898	1.00	0.00
ATOM N	184	N	PRO	X	14	18.960	-19.895	-27.473	1.00	0.00
ATOM C	185	CD	PRO	X	14	20.040	-18.957	-27.772	1.00	0.00
ATOM H	186	HD1	PRO	X	14	20.957	-19.445	-27.380	1.00	0.00
ATOM H	187	HD2	PRO	X	14	19.881	-17.975	-27.277	1.00	0.00
ATOM C	188	CA	PRO	X	14	18.073	-19.948	-28.702	1.00	0.00
ATOM H	189	HA	PRO	X	14	17.424	-19.097	-28.559	1.00	0.00
ATOM C	190	CB	PRO	X	14	18.981	-19.734	-29.897	1.00	0.00
ATOM H	191	HB1	PRO	X	14	18.510	-19.511	-30.878	1.00	0.00
ATOM H	192	HB2	PRO	X	14	19.669	-20.598	-30.015	1.00	0.00
ATOM C	193	CG	PRO	X	14	20.111	-18.752	-29.375	1.00	0.00
ATOM H	194	HG1	PRO	X	14	21.091	-18.899	-29.877	1.00	0.00
ATOM H	195	HG2	PRO	X	14	19.770	-17.772	-29.771	1.00	0.00
ATOM C	196	C	PRO	X	14	17.197	-21.157	-28.831	1.00	0.00
ATOM O	197	O	PRO	X	14	17.665	-22.269	-28.644	1.00	0.00
ATOM N	198	N	GLY	X	15	15.877	-20.911	-29.053	1.00	0.00
ATOM H	199	HN	GLY	X	15	15.597	-19.970	-28.878	1.00	0.00
ATOM C	200	CA	GLY	X	15	14.825	-21.878	-29.173	1.00	0.00

ATOM H	201	HA1	GLY	X	15	15.237	-22.729	-29.695	1.00	0.00
ATOM H	202	HA2	GLY	X	15	14.059	-21.276	-29.639	1.00	0.00
ATOM C	203	C	GLY	X	15	14.286	-22.495	-27.894	1.00	0.00
ATOM O	204	O	GLY	X	15	13.723	-23.578	-27.898	1.00	0.00
ATOM N	205	N	ARG	X	16	14.539	-21.873	-26.695	1.00	0.00
ATOM H	206	HN	ARG	X	16	14.990	-20.984	-26.711	1.00	0.00
ATOM C	207	CA	ARG	X	16	14.057	-22.552	-25.451	1.00	0.00
ATOM H	208	HA	ARG	X	16	13.594	-23.488	-25.726	1.00	0.00
ATOM C	209	CB	ARG	X	16	15.260	-22.881	-24.400	1.00	0.00
ATOM H	210	HB1	ARG	X	16	14.856	-23.112	-23.391	1.00	0.00
ATOM H	211	HB2	ARG	X	16	15.936	-22.000	-24.401	1.00	0.00
ATOM C	212	CG	ARG	X	16	16.167	-24.159	-24.797	1.00	0.00
ATOM H	213	HG1	ARG	X	16	15.389	-24.951	-24.827	1.00	0.00
ATOM H	214	HG2	ARG	X	16	16.824	-24.211	-23.902	1.00	0.00
ATOM C	215	CD	ARG	X	16	17.063	-23.943	-25.997	1.00	0.00
ATOM H	216	HD1	ARG	X	16	17.657	-23.016	-25.850	1.00	0.00
ATOM H	217	HD2	ARG	X	16	16.420	-23.904	-26.902	1.00	0.00
ATOM N	218	NE	ARG	X	16	17.920	-25.141	-26.124	1.00	0.00
ATOM H	219	HE	ARG	X	16	17.950	-25.815	-25.387	1.00	0.00
ATOM C	220	CZ	ARG	X	16	18.865	-25.279	-26.994	1.00	0.00
ATOM N	221	NH1	ARG	X	16	19.122	-24.477	-27.918	1.00	0.00
ATOM H	222	HH11	ARG	X	16	18.510	-23.715	-28.129	1.00	0.00
ATOM H	223	HH12	ARG	X	16	19.833	-24.695	-28.586	1.00	0.00
ATOM N	224	NH2	ARG	X	16	19.606	-26.307	-26.804	1.00	0.00
ATOM H	225	HH21	ARG	X	16	19.534	-26.676	-25.877	1.00	0.00

ATOM H	226	HH22	ARG	X	16	20.442	-26.407	-27.343	1.00	0.00
ATOM C	227	C	ARG	X	16	12.938	-21.889	-24.748	1.00	0.00
ATOM O	228	O	ARG	X	16	12.522	-20.786	-25.125	1.00	0.00
ATOM N	229	N	SER	X	17	12.374	-22.460	-23.669	1.00	0.00
ATOM H	230	HN	SER	X	17	12.768	-23.255	-23.215	1.00	0.00
ATOM C	231	CA	SER	X	17	11.119	-21.980	-23.103	1.00	0.00
ATOM H	232	HA	SER	X	17	10.683	-21.293	-23.813	1.00	0.00
ATOM C	233	CB	SER	X	17	10.158	-23.064	-22.842	1.00	0.00
ATOM H	234	HB1	SER	X	17	10.564	-23.752	-22.070	1.00	0.00
ATOM H	235	HB2	SER	X	17	10.043	-23.707	-23.741	1.00	0.00
ATOM O	236	OG	SER	X	17	8.823	-22.690	-22.317	1.00	0.00
ATOM H	237	HG1	SER	X	17	8.680	-21.775	-22.571	1.00	0.00
ATOM C	238	C	SER	X	17	11.379	-21.325	-21.722	1.00	0.00
ATOM O	239	O	SER	X	17	12.168	-21.837	-20.953	1.00	0.00
ATOM N	240	N	LEU	X	18	10.688	-20.137	-21.510	1.00	0.00
ATOM H	241	HN	LEU	X	18	10.079	-19.691	-22.161	1.00	0.00
ATOM C	242	CA	LEU	X	18	11.038	-19.477	-20.221	1.00	0.00
ATOM H	243	HA	LEU	X	18	11.764	-20.045	-19.659	1.00	0.00
ATOM C	244	CB	LEU	X	18	11.743	-18.136	-20.464	1.00	0.00
ATOM H	245	HB1	LEU	X	18	11.023	-17.416	-20.909	1.00	0.00
ATOM H	246	HB2	LEU	X	18	12.648	-18.219	-21.103	1.00	0.00
ATOM C	247	CG	LEU	X	18	12.376	-17.421	-19.221	1.00	0.00
ATOM H	248	HG	LEU	X	18	11.654	-17.385	-18.378	1.00	0.00
ATOM C	249	CD1	LEU	X	18	13.563	-18.172	-18.711	1.00	0.00
ATOM H	250	HD11	LEU	X	18	14.029	-17.574	-17.899	1.00	0.00

ATOM H	251	HD12	LEU	X	18	14.416	-18.460	-19.361	1.00	0.00
ATOM H	252	HD13	LEU	X	18	13.300	-19.115	-18.184	1.00	0.00
ATOM C	253	CD2	LEU	X	18	12.771	-15.981	-19.369	1.00	0.00
ATOM H	254	HD21	LEU	X	18	13.278	-15.526	-18.491	1.00	0.00
ATOM H	255	HD22	LEU	X	18	11.968	-15.358	-19.817	1.00	0.00
ATOM H	256	HD23	LEU	X	18	13.457	-15.899	-20.239	1.00	0.00
ATOM C	257	C	LEU	X	18	9.841	-19.254	-19.262	1.00	0.00
ATOM O	258	O	LEU	X	18	8.775	-18.815	-19.672	1.00	0.00
ATOM N	259	N	ARG	X	19	10.098	-19.351	-17.951	1.00	0.00
ATOM H	260	HN	ARG	X	19	10.971	-19.521	-17.501	1.00	0.00
ATOM C	261	CA	ARG	X	19	9.089	-18.991	-16.961	1.00	0.00
ATOM H	262	HA	ARG	X	19	8.104	-18.818	-17.368	1.00	0.00
ATOM C	263	CB	ARG	X	19	9.185	-20.200	-15.931	1.00	0.00
ATOM H	264	HB1	ARG	X	19	10.139	-20.126	-15.366	1.00	0.00
ATOM H	265	HB2	ARG	X	19	9.157	-21.218	-16.375	1.00	0.00
ATOM C	266	CG	ARG	X	19	8.006	-20.147	-14.952	1.00	0.00
ATOM H	267	HG1	ARG	X	19	7.024	-19.889	-15.404	1.00	0.00
ATOM H	268	HG2	ARG	X	19	8.085	-19.325	-14.208	1.00	0.00
ATOM C	269	CD	ARG	X	19	7.715	-21.486	-14.181	1.00	0.00
ATOM H	270	HD1	ARG	X	19	8.441	-21.653	-13.357	1.00	0.00
ATOM H	271	HD2	ARG	X	19	7.721	-22.318	-14.918	1.00	0.00
ATOM N	272	NE	ARG	X	19	6.353	-21.313	-13.461	1.00	0.00
ATOM H	273	HE	ARG	X	19	6.402	-21.394	-12.465	1.00	0.00
ATOM C	274	CZ	ARG	X	19	5.221	-21.394	-14.086	1.00	0.00
ATOM N	275	NH1	ARG	X	19	5.082	-21.394	-15.403	1.00	0.00

ATOM H	276	HH11	ARG	X	19	4.205	-21.594	-15.840	1.00	0.00
ATOM H	277	HH12	ARG	X	19	5.871	-21.056	-15.916	1.00	0.00
ATOM N	278	NH2	ARG	X	19	4.177	-21.544	-13.288	1.00	0.00
ATOM H	279	HH21	ARG	X	19	4.358	-21.707	-12.318	1.00	0.00
ATOM H	280	HH22	ARG	X	19	3.266	-21.721	-13.658	1.00	0.00
ATOM C	281	C	ARG	X	19	9.471	-17.712	-16.178	1.00	0.00
ATOM O	282	O	ARG	X	19	10.432	-17.595	-15.474	1.00	0.00
ATOM N	283	N	LEU	X	20	8.544	-16.670	-16.293	1.00	0.00
ATOM H	284	HN	LEU	X	20	7.773	-16.725	-16.922	1.00	0.00
ATOM C	285	CA	LEU	X	20	8.703	-15.310	-15.771	1.00	0.00
ATOM H	286	HA	LEU	X	20	9.620	-15.188	-15.214	1.00	0.00
ATOM C	287	CB	LEU	X	20	8.631	-14.240	-16.828	1.00	0.00
ATOM H	288	HB1	LEU	X	20	7.755	-14.359	-17.502	1.00	0.00
ATOM H	289	HB2	LEU	X	20	9.465	-14.302	-17.559	1.00	0.00
ATOM C	290	CG	LEU	X	20	8.660	-12.784	-16.276	1.00	0.00
ATOM H	291	HG	LEU	X	20	7.847	-12.586	-15.545	1.00	0.00
ATOM C	292	CD1	LEU	X	20	9.918	-12.468	-15.562	1.00	0.00
ATOM H	293	HD11	LEU	X	20	9.987	-11.403	-15.255	1.00	0.00
ATOM H	294	HD12	LEU	X	20	10.819	-12.644	-16.188	1.00	0.00
ATOM H	295	HD13	LEU	X	20	10.091	-13.188	-14.734	1.00	0.00
ATOM C	296	CD2	LEU	X	20	8.421	-11.698	-17.320	1.00	0.00
ATOM H	297	HD21	LEU	X	20	9.386	-11.494	-17.830	1.00	0.00
ATOM H	298	HD22	LEU	X	20	8.123	-10.707	-16.915	1.00	0.00
ATOM H	299	HD23	LEU	X	20	7.641	-12.041	-18.034	1.00	0.00
ATOM C	300	C	LEU	X	20	7.551	-15.156	-14.754	1.00	0.00

ATOM O	301	O	LEU	X	20	6.380	-15.505	-14.996	1.00	0.00
ATOM N	302	N	SER	X	21	7.827	-14.562	-13.561	1.00	0.00
ATOM H	303	HN	SER	X	21	8.679	-14.165	-13.229	1.00	0.00
ATOM C	304	CA	SER	X	21	6.771	-14.355	-12.639	1.00	0.00
ATOM H	305	HA	SER	X	21	5.941	-13.960	-13.206	1.00	0.00
ATOM C	306	CB	SER	X	21	6.476	-15.570	-11.764	1.00	0.00
ATOM H	307	HB1	SER	X	21	6.182	-16.291	-12.557	1.00	0.00
ATOM H	308	HB2	SER	X	21	5.615	-15.419	-11.078	1.00	0.00
ATOM O	309	OG	SER	X	21	7.557	-15.860	-10.965	1.00	0.00
ATOM H	310	HG1	SER	X	21	8.199	-16.323	-11.507	1.00	0.00
ATOM C	311	C	SER	X	21	6.960	-13.097	-11.743	1.00	0.00
ATOM O	312	O	SER	X	21	8.075	-12.538	-11.630	1.00	0.00
ATOM N	313	N	CYS	X	22	5.900	-12.750	-11.024	1.00	0.00
ATOM H	314	HN	CYS	X	22	4.970	-13.088	-11.141	1.00	0.00
ATOM C	315	CA	CYS	X	22	5.989	-11.743	-9.953	1.00	0.00
ATOM H	316	HA	CYS	X	22	6.874	-11.986	-9.383	1.00	0.00
ATOM C	317	CB	CYS	X	22	6.085	-10.243	-10.496	1.00	0.00
ATOM H	318	HB1	CYS	X	22	7.010	-10.352	-11.103	1.00	0.00
ATOM H	319	HB2	CYS	X	22	6.475	-9.564	-9.709	1.00	0.00
ATOM S	320	SG	CYS	X	22	4.633	-9.700	-11.478	1.00	0.00
ATOM C	321	C	CYS	X	22	4.874	-11.973	-8.980	1.00	0.00
ATOM O	322	O	CYS	X	22	3.856	-12.563	-9.280	1.00	0.00
ATOM N	323	N	ALA	X	23	5.082	-11.610	-7.679	1.00	0.00
ATOM H	324	HN	ALA	X	23	5.953	-11.248	-7.357	1.00	0.00
ATOM C	325	CA	ALA	X	23	4.203	-12.041	-6.606	1.00	0.00

ATOM H	326	HA	ALA	X	23	3.313	-12.534	-6.967	1.00	0.00
ATOM C	327	CB	ALA	X	23	4.979	-12.862	-5.613	1.00	0.00
ATOM H	328	HB1	ALA	X	23	4.544	-12.838	-4.590	1.00	0.00
ATOM H	329	HB2	ALA	X	23	6.048	-12.612	-5.439	1.00	0.00
ATOM H	330	HB3	ALA	X	23	4.962	-13.922	-5.943	1.00	0.00
ATOM C	331	C	ALA	X	23	3.763	-10.784	-5.816	1.00	0.00
ATOM O	332	O	ALA	X	23	4.653	-9.969	-5.451	1.00	0.00
ATOM N	333	N	ALA	X	24	2.496	-10.673	-5.460	1.00	0.00
ATOM H	334	HN	ALA	X	24	1.893	-11.425	-5.715	1.00	0.00
ATOM C	335	CA	ALA	X	24	2.029	-9.626	-4.666	1.00	0.00
ATOM H	336	HA	ALA	X	24	2.198	-8.797	-5.337	1.00	0.00
ATOM C	337	CB	ALA	X	24	0.491	-9.664	-4.391	1.00	0.00
ATOM H	338	HB1	ALA	X	24	-0.122	-9.558	-5.311	1.00	0.00
ATOM H	339	HB2	ALA	X	24	0.110	-9.127	-3.496	1.00	0.00
ATOM H	340	HB3	ALA	X	24	0.293	-10.719	-4.103	1.00	0.00
ATOM C	341	C	ALA	X	24	2.737	-9.406	-3.277	1.00	0.00
ATOM O	342	O	ALA	X	24	2.962	-10.365	-2.533	1.00	0.00
ATOM N	343	N	SER	X	25	3.078	-8.195	-2.833	1.00	0.00
ATOM H	344	HN	SER	X	25	3.075	-7.443	-3.487	1.00	0.00
ATOM C	345	CA	SER	X	25	3.386	-7.843	-1.436	1.00	0.00
ATOM H	346	HA	SER	X	25	3.146	-8.613	-0.718	1.00	0.00
ATOM C	347	CB	SER	X	25	4.891	-7.637	-1.352	1.00	0.00
ATOM H	348	HB1	SER	X	25	5.328	-6.904	-2.064	1.00	0.00
ATOM H	349	HB2	SER	X	25	5.338	-8.590	-1.708	1.00	0.00
ATOM O	350	OG	SER	X	25	5.421	-7.303	-0.055	1.00	0.00

ATOM H	351	HG1	SER	X	25	5.237	-6.362	-0.009	1.00	0.00
ATOM C	352	C	SER	X	25	2.784	-6.515	-0.962	1.00	0.00
ATOM O	353	O	SER	X	25	3.251	-5.424	-1.263	1.00	0.00
ATOM N	354	N	GLY	X	26	1.699	-6.573	-0.131	1.00	0.00
ATOM H	355	HN	GLY	X	26	1.325	-7.459	0.133	1.00	0.00
ATOM C	356	CA	GLY	X	26	1.034	-5.441	0.584	1.00	0.00
ATOM H	357	HA1	GLY	X	26	1.445	-4.526	0.185	1.00	0.00
ATOM H	358	HA2	GLY	X	26	1.174	-5.532	1.651	1.00	0.00
ATOM C	359	C	GLY	X	26	-0.470	-5.384	0.397	1.00	0.00
ATOM O	360	O	GLY	X	26	-1.062	-4.388	0.739	1.00	0.00
ATOM N	361	N	PHE	X	27	-1.078	-6.359	-0.228	1.00	0.00
ATOM H	362	HN	PHE	X	27	-0.596	-7.210	-0.420	1.00	0.00
ATOM C	363	CA	PHE	X	27	-2.456	-6.255	-0.775	1.00	0.00
ATOM H	364	HA	PHE	X	27	-3.003	-5.656	-0.062	1.00	0.00
ATOM C	365	CB	PHE	X	27	-2.404	-5.386	-2.013	1.00	0.00
ATOM H	366	HB1	PHE	X	27	-1.812	-4.456	-1.874	1.00	0.00
ATOM H	367	HB2	PHE	X	27	-3.402	-5.045	-2.360	1.00	0.00
ATOM C	368	CG	PHE	X	27	-1.787	-6.026	-3.225	1.00	0.00
ATOM C	369	CD1	PHE	X	27	-0.359	-5.985	-3.426	1.00	0.00
ATOM H	370	HD1	PHE	X	27	0.288	-5.690	-2.613	1.00	0.00
ATOM C	371	CE1	PHE	X	27	0.142	-6.392	-4.630	1.00	0.00
ATOM H	372	HE1	PHE	X	27	1.215	-6.293	-4.701	1.00	0.00
ATOM C	373	CZ	PHE	X	27	-0.630	-6.753	-5.746	1.00	0.00
ATOM H	374	HZ	PHE	X	27	-0.213	-7.082	-6.686	1.00	0.00
ATOM C	375	CD2	PHE	X	27	-2.526	-6.665	-4.202	1.00	0.00

ATOM H	376	HD2	PHE	X	27	-3.567	-6.792	-3.944	1.00	0.00
ATOM C	377	CE2	PHE	X	27	-1.939	-7.094	-5.492	1.00	0.00
ATOM H	378	HE2	PHE	X	27	-2.393	-7.615	-6.322	1.00	0.00
ATOM C	379	C	PHE	X	27	-3.133	-7.610	-0.872	1.00	0.00
ATOM O	380	O	PHE	X	27	-2.529	-8.650	-0.687	1.00	0.00
ATOM N	381	N	THR	X	28	-4.418	-7.595	-1.195	1.00	0.00
ATOM H	382	HN	THR	X	28	-4.976	-6.768	-1.184	1.00	0.00
ATOM C	383	CA	THR	X	28	-5.154	-8.896	-1.556	1.00	0.00
ATOM H	384	HA	THR	X	28	-4.728	-9.653	-0.915	1.00	0.00
ATOM C	385	CB	THR	X	28	-6.584	-8.809	-1.141	1.00	0.00
ATOM H	386	HB	THR	X	28	-7.209	-8.422	-1.975	1.00	0.00
ATOM O	387	OG1	THR	X	28	-6.886	-7.935	-0.011	1.00	0.00
ATOM H	388	HG1	THR	X	28	-7.706	-8.265	0.362	1.00	0.00
ATOM C	389	CG2	THR	X	28	-7.199	-10.134	-0.843	1.00	0.00
ATOM H	390	HG21	THR	X	28	-8.296	-10.043	-0.694	1.00	0.00
ATOM H	391	HG22	THR	X	28	-6.783	-10.673	0.034	1.00	0.00
ATOM H	392	HG23	THR	X	28	-7.021	-10.852	-1.672	1.00	0.00
ATOM C	393	C	THR	X	28	-5.071	-9.214	-3.061	1.00	0.00
ATOM O	394	O	THR	X	28	-5.693	-8.607	-3.944	1.00	0.00
ATOM N	395	N	PHE	X	29	-4.249	-10.235	-3.463	1.00	0.00
ATOM H	396	HN	PHE	X	29	-3.730	-10.816	-2.840	1.00	0.00
ATOM C	397	CA	PHE	X	29	-4.056	-10.421	-4.935	1.00	0.00
ATOM H	398	HA	PHE	X	29	-3.564	-9.490	-5.177	1.00	0.00
ATOM C	399	CB	PHE	X	29	-3.062	-11.619	-5.088	1.00	0.00
ATOM H	400	HB1	PHE	X	29	-3.622	-12.520	-4.758	1.00	0.00

ATOM N	426	N	SER X	31	-8.230	-9.364	-5.616	1.00	0.00
ATOM H	427	HN	SER X	31	-7.642	-9.377	-4.811	1.00	0.00
ATOM C	428	CA	SER X	31	-8.904	-8.075	-6.057	1.00	0.00
ATOM H	429	HA	SER X	31	-9.966	-8.271	-6.065	1.00	0.00
ATOM C	430	CB	SER X	31	-8.734	-6.860	-5.053	1.00	0.00
ATOM H	431	HB1	SER X	31	-9.384	-5.995	-5.303	1.00	0.00
ATOM H	432	HB2	SER X	31	-7.635	-6.699	-5.069	1.00	0.00
ATOM O	433	OG	SER X	31	-8.941	-7.440	-3.742	1.00	0.00
ATOM H	434	HG1	SER X	31	-9.000	-6.711	-3.121	1.00	0.00
ATOM C	435	C	SER X	31	-8.439	-7.435	-7.316	1.00	0.00
ATOM O	436	O	SER X	31	-9.203	-6.681	-7.894	1.00	0.00
ATOM N	437	N	TYR X	32	-7.172	-7.779	-7.711	1.00	0.00
ATOM H	438	HN	TYR X	32	-6.691	-8.597	-7.404	1.00	0.00
ATOM C	439	CA	TYR X	32	-6.575	-7.088	-8.854	1.00	0.00
ATOM H	440	HA	TYR X	32	-7.247	-6.307	-9.180	1.00	0.00
ATOM C	441	CB	TYR X	32	-5.133	-6.722	-8.548	1.00	0.00
ATOM H	442	HB1	TYR X	32	-4.650	-6.359	-9.480	1.00	0.00
ATOM H	443	HB2	TYR X	32	-4.613	-7.596	-8.101	1.00	0.00
ATOM C	444	CG	TYR X	32	-5.179	-5.550	-7.594	1.00	0.00
ATOM C	445	CD1	TYR X	32	-5.398	-5.769	-6.204	1.00	0.00
ATOM H	446	HD1	TYR X	32	-5.375	-6.761	-5.778	1.00	0.00
ATOM C	447	CE1	TYR X	32	-5.407	-4.751	-5.210	1.00	0.00
ATOM H	448	HE1	TYR X	32	-5.590	-4.968	-4.168	1.00	0.00
ATOM C	449	CZ	TYR X	32	-5.308	-3.452	-5.764	1.00	0.00
ATOM O	450	OH	TYR X	32	-5.574	-2.384	-4.977	1.00	0.00

ATOM H	476	HG1	MET	X	34	-2.280	-10.638	-10.934	1.00	0.00
ATOM H	477	HG2	MET	X	34	-3.800	-9.620	-11.169	1.00	0.00
ATOM S	478	SD	MET	X	34	-1.744	-8.335	-10.501	1.00	0.00
ATOM C	479	CE	MET	X	34	-0.079	-8.582	-11.313	1.00	0.00
ATOM H	480	HE1	MET	X	34	-0.155	-8.081	-12.302	1.00	0.00
ATOM H	481	HE2	MET	X	34	0.064	-9.683	-11.273	1.00	0.00
ATOM H	482	HE3	MET	X	34	0.748	-8.011	-10.840	1.00	0.00
ATOM C	483	C	MET	X	34	-2.551	-8.544	-14.962	1.00	0.00
ATOM O	484	O	MET	X	34	-3.276	-9.151	-15.718	1.00	0.00
ATOM N	485	N	HSD	X	35	-1.416	-7.928	-15.324	1.00	0.00
ATOM H	486	HN	HSD	X	35	-0.796	-7.522	-14.657	1.00	0.00
ATOM C	487	CA	HSD	X	35	-0.942	-7.695	-16.694	1.00	0.00
ATOM H	488	HA	HSD	X	35	-1.355	-8.575	-17.166	1.00	0.00
ATOM C	489	CB	HSD	X	35	-1.651	-6.496	-17.474	1.00	0.00
ATOM H	490	HB1	HSD	X	35	-2.306	-6.876	-18.288	1.00	0.00
ATOM H	491	HB2	HSD	X	35	-0.813	-5.962	-17.972	1.00	0.00
ATOM N	492	ND1	HSD	X	35	-2.155	-4.108	-16.397	1.00	0.00
ATOM H	493	HD1	HSD	X	35	-1.355	-3.607	-16.726	1.00	0.00
ATOM C	494	CG	HSD	X	35	-2.423	-5.490	-16.593	1.00	0.00
ATOM C	495	CE1	HSD	X	35	-3.261	-3.478	-15.875	1.00	0.00
ATOM H	496	HE1	HSD	X	35	-3.453	-2.430	-15.648	1.00	0.00
ATOM N	497	NE2	HSD	X	35	-4.235	-4.421	-15.671	1.00	0.00
ATOM C	498	CD2	HSD	X	35	-3.675	-5.630	-16.123	1.00	0.00
ATOM H	499	HD2	HSD	X	35	-4.212	-6.569	-16.066	1.00	0.00
ATOM C	500	C	HSD	X	35	0.625	-7.600	-16.712	1.00	0.00

ATOM O	501	O	HSD	X	35	1.297	-7.454	-15.755	1.00	0.00
ATOM N	502	N	TRP	X	36	1.208	-7.682	-17.909	1.00	0.00
ATOM H	503	HN	TRP	X	36	0.647	-7.892	-18.705	1.00	0.00
ATOM C	504	CA	TRP	X	36	2.634	-7.375	-18.159	1.00	0.00
ATOM H	505	HA	TRP	X	36	2.956	-6.825	-17.288	1.00	0.00
ATOM C	506	CB	TRP	X	36	3.376	-8.695	-18.496	1.00	0.00
ATOM H	507	HB1	TRP	X	36	4.312	-8.563	-19.080	1.00	0.00
ATOM H	508	HB2	TRP	X	36	2.771	-9.233	-19.257	1.00	0.00
ATOM C	509	CG	TRP	X	36	3.424	-9.710	-17.417	1.00	0.00
ATOM C	510	CD1	TRP	X	36	2.686	-10.908	-17.386	1.00	0.00
ATOM H	511	HD1	TRP	X	36	1.892	-11.098	-18.092	1.00	0.00
ATOM N	512	NE1	TRP	X	36	3.183	-11.781	-16.381	1.00	0.00
ATOM H	513	HE1	TRP	X	36	2.895	-12.683	-16.146	1.00	0.00
ATOM C	514	CE2	TRP	X	36	4.310	-11.155	-15.815	1.00	0.00
ATOM C	515	CD2	TRP	X	36	4.513	-9.900	-16.458	1.00	0.00
ATOM C	516	CE3	TRP	X	36	5.666	-9.132	-16.123	1.00	0.00
ATOM H	517	HE3	TRP	X	36	5.877	-8.169	-16.563	1.00	0.00
ATOM C	518	CZ3	TRP	X	36	6.548	-9.587	-15.147	1.00	0.00
ATOM H	519	HZ3	TRP	X	36	7.396	-8.958	-14.920	1.00	0.00
ATOM C	520	CZ2	TRP	X	36	5.201	-11.523	-14.767	1.00	0.00
ATOM H	521	HZ2	TRP	X	36	4.832	-12.317	-14.134	1.00	0.00
ATOM C	522	CH2	TRP	X	36	6.292	-10.779	-14.405	1.00	0.00
ATOM H	523	HH2	TRP	X	36	7.030	-10.965	-13.639	1.00	0.00
ATOM C	524	C	TRP	X	36	2.862	-6.353	-19.310	1.00	0.00
ATOM O	525	O	TRP	X	36	2.081	-6.312	-20.262	1.00	0.00

ATOM N	526	N	VAL X	37	3.933	-5.599	-19.264	1.00	0.00
ATOM H	527	HN	VAL X	37	4.547	-5.583	-18.478	1.00	0.00
ATOM C	528	CA	VAL X	37	4.369	-4.680	-20.258	1.00	0.00
ATOM H	529	HA	VAL X	37	4.008	-4.885	-21.255	1.00	0.00
ATOM C	530	CB	VAL X	37	4.071	-3.218	-19.753	1.00	0.00
ATOM H	531	HB	VAL X	37	4.463	-3.060	-18.726	1.00	0.00
ATOM C	532	CG1	VAL X	37	4.628	-2.173	-20.666	1.00	0.00
ATOM H	533	HG11	VAL X	37	4.212	-1.168	-20.436	1.00	0.00
ATOM H	534	HG12	VAL X	37	4.432	-2.339	-21.747	1.00	0.00
ATOM H	535	HG13	VAL X	37	5.707	-1.979	-20.487	1.00	0.00
ATOM C	536	CG2	VAL X	37	2.558	-3.096	-19.695	1.00	0.00
ATOM H	537	HG21	VAL X	37	2.162	-3.720	-20.525	1.00	0.00
ATOM H	538	HG22	VAL X	37	2.107	-2.088	-19.816	1.00	0.00
ATOM H	539	HG23	VAL X	37	2.086	-3.420	-18.742	1.00	0.00
ATOM C	540	C	VAL X	37	5.798	-4.871	-20.409	1.00	0.00
ATOM O	541	O	VAL X	37	6.422	-5.599	-19.632	1.00	0.00
ATOM N	542	N	ARG X	38	6.426	-4.347	-21.445	1.00	0.00
ATOM H	543	HN	ARG X	38	5.968	-3.826	-22.161	1.00	0.00
ATOM C	544	CA	ARG X	38	7.872	-4.413	-21.640	1.00	0.00
ATOM H	545	HA	ARG X	38	8.393	-4.180	-20.723	1.00	0.00
ATOM C	546	CB	ARG X	38	8.415	-5.765	-22.127	1.00	0.00
ATOM H	547	HB1	ARG X	38	7.997	-6.532	-21.440	1.00	0.00
ATOM H	548	HB2	ARG X	38	9.515	-5.900	-22.205	1.00	0.00
ATOM C	549	CG	ARG X	38	7.895	-6.193	-23.597	1.00	0.00
ATOM H	550	HG1	ARG X	38	8.280	-5.389	-24.260	1.00	0.00

ATOM H	551	HG2	ARG	X	38	6.789	-6.102	-23.652	1.00	0.00
ATOM C	552	CD	ARG	X	38	8.444	-7.504	-24.079	1.00	0.00
ATOM H	553	HD1	ARG	X	38	7.840	-8.388	-23.784	1.00	0.00
ATOM H	554	HD2	ARG	X	38	9.531	-7.620	-23.878	1.00	0.00
ATOM N	555	NE	ARG	X	38	8.453	-7.550	-25.601	1.00	0.00
ATOM H	556	HE	ARG	X	38	8.321	-6.700	-26.112	1.00	0.00
ATOM C	557	CZ	ARG	X	38	8.692	-8.657	-26.353	1.00	0.00
ATOM N	558	NH1	ARG	X	38	8.674	-9.909	-26.006	1.00	0.00
ATOM H	559	HH11	ARG	X	38	8.479	-10.168	-25.060	1.00	0.00
ATOM H	560	HH12	ARG	X	38	8.685	-10.533	-26.787	1.00	0.00
ATOM N	561	NH2	ARG	X	38	8.807	-8.477	-27.655	1.00	0.00
ATOM H	562	HH21	ARG	X	38	8.556	-7.585	-28.030	1.00	0.00
ATOM H	563	HH22	ARG	X	38	8.575	-9.230	-28.270	1.00	0.00
ATOM C	564	C	ARG	X	38	8.337	-3.382	-22.681	1.00	0.00
ATOM O	565	O	ARG	X	38	7.477	-2.823	-23.429	1.00	0.00
ATOM N	566	N	GLN	X	39	9.674	-3.271	-22.782	1.00	0.00
ATOM H	567	HN	GLN	X	39	10.262	-3.668	-22.081	1.00	0.00
ATOM C	568	CA	GLN	X	39	10.342	-2.709	-23.990	1.00	0.00
ATOM H	569	HA	GLN	X	39	9.654	-2.853	-24.810	1.00	0.00
ATOM C	570	CB	GLN	X	39	10.450	-1.208	-23.821	1.00	0.00
ATOM H	571	HB1	GLN	X	39	9.436	-0.913	-23.477	1.00	0.00
ATOM H	572	HB2	GLN	X	39	10.648	-0.727	-24.802	1.00	0.00
ATOM C	573	CG	GLN	X	39	11.506	-0.677	-22.785	1.00	0.00
ATOM H	574	HG1	GLN	X	39	12.582	-0.876	-22.978	1.00	0.00
ATOM H	575	HG2	GLN	X	39	11.324	-1.026	-21.746	1.00	0.00

ATOM H	626	HD2	LYS	X	43	13.632	1.100	-31.470	1.00	0.00
ATOM C	627	CE	LYS	X	43	11.695	0.621	-32.374	1.00	0.00
ATOM H	628	HE1	LYS	X	43	11.891	1.282	-33.245	1.00	0.00
ATOM H	629	HE2	LYS	X	43	11.115	1.240	-31.656	1.00	0.00
ATOM N	630	NZ	LYS	X	43	10.998	-0.577	-32.918	1.00	0.00
ATOM H	631	HZ1	LYS	X	43	11.680	-1.275	-33.277	1.00	0.00
ATOM H	632	HZ2	LYS	X	43	10.258	-0.327	-33.605	1.00	0.00
ATOM H	633	HZ3	LYS	X	43	10.468	-1.037	-32.151	1.00	0.00
ATOM C	634	C	LYS	X	43	11.342	1.461	-27.548	1.00	0.00
ATOM O	635	O	LYS	X	43	11.621	1.090	-26.370	1.00	0.00
ATOM N	636	N	GLY	X	44	10.186	2.039	-27.883	1.00	0.00
ATOM H	637	HN	GLY	X	44	10.096	2.369	-28.820	1.00	0.00
ATOM C	638	CA	GLY	X	44	9.028	2.361	-27.000	1.00	0.00
ATOM H	639	HA1	GLY	X	44	8.271	2.805	-27.630	1.00	0.00
ATOM H	640	HA2	GLY	X	44	9.264	3.029	-26.186	1.00	0.00
ATOM C	641	C	GLY	X	44	8.409	1.127	-26.318	1.00	0.00
ATOM O	642	O	GLY	X	44	8.703	-0.032	-26.527	1.00	0.00
ATOM N	643	N	LEU	X	45	7.514	1.432	-25.358	1.00	0.00
ATOM H	644	HN	LEU	X	45	7.340	2.350	-25.010	1.00	0.00
ATOM C	645	CA	LEU	X	45	6.909	0.313	-24.575	1.00	0.00
ATOM H	646	HA	LEU	X	45	7.653	-0.454	-24.424	1.00	0.00
ATOM C	647	CB	LEU	X	45	6.392	0.797	-23.181	1.00	0.00
ATOM H	648	HB1	LEU	X	45	5.829	-0.005	-22.659	1.00	0.00
ATOM H	649	HB2	LEU	X	45	5.695	1.649	-23.333	1.00	0.00
ATOM C	650	CG	LEU	X	45	7.526	1.257	-22.319	1.00	0.00

ATOM H	651	HG	LEU	X	45	8.493	0.876	-22.711	1.00	0.00
ATOM C	652	CD1	LEU	X	45	7.445	2.779	-22.213	1.00	0.00
ATOM H	653	HD11	LEU	X	45	6.431	2.966	-21.799	1.00	0.00
ATOM H	654	HD12	LEU	X	45	7.561	3.388	-23.135	1.00	0.00
ATOM H	655	HD13	LEU	X	45	8.247	3.205	-21.573	1.00	0.00
ATOM C	656	CD2	LEU	X	45	7.511	0.622	-20.913	1.00	0.00
ATOM H	657	HD21	LEU	X	45	7.831	-0.442	-20.872	1.00	0.00
ATOM H	658	HD22	LEU	X	45	6.481	0.601	-20.497	1.00	0.00
ATOM H	659	HD23	LEU	X	45	8.147	1.210	-20.217	1.00	0.00
ATOM C	660	C	LEU	X	45	5.764	-0.371	-25.385	1.00	0.00
ATOM O	661	O	LEU	X	45	5.156	0.200	-26.341	1.00	0.00
ATOM N	662	N	GLU	X	46	5.514	-1.660	-25.057	1.00	0.00
ATOM H	663	HN	GLU	X	46	6.050	-2.217	-24.427	1.00	0.00
ATOM C	664	CA	GLU	X	46	4.414	-2.435	-25.699	1.00	0.00
ATOM H	665	HA	GLU	X	46	3.688	-1.798	-26.183	1.00	0.00
ATOM C	666	CB	GLU	X	46	4.923	-3.399	-26.786	1.00	0.00
ATOM H	667	HB1	GLU	X	46	4.053	-4.031	-27.065	1.00	0.00
ATOM H	668	HB2	GLU	X	46	5.666	-4.012	-26.232	1.00	0.00
ATOM C	669	CG	GLU	X	46	5.320	-2.567	-28.050	1.00	0.00
ATOM H	670	HG1	GLU	X	46	6.099	-1.811	-27.816	1.00	0.00
ATOM H	671	HG2	GLU	X	46	4.488	-1.941	-28.437	1.00	0.00
ATOM C	672	CD	GLU	X	46	5.807	-3.500	-29.030	1.00	0.00
ATOM O	673	OE1	GLU	X	46	5.372	-3.496	-30.201	1.00	0.00
ATOM O	674	OE2	GLU	X	46	6.606	-4.348	-28.669	1.00	0.00
ATOM C	675	C	GLU	X	46	3.688	-3.282	-24.677	1.00	0.00

ATOM O	676	O	GLU	X	46	4.306	-3.916	-23.792	1.00	0.00
ATOM N	677	N	TRP	X	47	2.365	-3.263	-24.653	1.00	0.00
ATOM H	678	HN	TRP	X	47	1.954	-2.706	-25.370	1.00	0.00
ATOM C	679	CA	TRP	X	47	1.541	-4.176	-23.819	1.00	0.00
ATOM H	680	HA	TRP	X	47	1.923	-4.255	-22.812	1.00	0.00
ATOM C	681	CB	TRP	X	47	0.174	-3.488	-23.720	1.00	0.00
ATOM H	682	HB1	TRP	X	47	-0.426	-3.440	-24.655	1.00	0.00
ATOM H	683	HB2	TRP	X	47	0.270	-2.445	-23.352	1.00	0.00
ATOM C	684	CG	TRP	X	47	-0.792	-4.192	-22.793	1.00	0.00
ATOM C	685	CD1	TRP	X	47	-1.143	-3.734	-21.600	1.00	0.00
ATOM H	686	HD1	TRP	X	47	-0.656	-2.917	-21.089	1.00	0.00
ATOM N	687	NE1	TRP	X	47	-2.264	-4.447	-21.112	1.00	0.00
ATOM H	688	HE1	TRP	X	47	-2.815	-4.028	-20.424	1.00	0.00
ATOM C	689	CE2	TRP	X	47	-2.667	-5.319	-22.058	1.00	0.00
ATOM C	690	CD2	TRP	X	47	-1.723	-5.253	-23.129	1.00	0.00
ATOM C	691	CE3	TRP	X	47	-1.897	-6.054	-24.228	1.00	0.00
ATOM H	692	HE3	TRP	X	47	-1.228	-5.942	-25.068	1.00	0.00
ATOM C	693	CZ3	TRP	X	47	-2.973	-6.949	-24.299	1.00	0.00
ATOM H	694	HZ3	TRP	X	47	-3.025	-7.696	-25.078	1.00	0.00
ATOM C	695	CZ2	TRP	X	47	-3.844	-6.029	-22.257	1.00	0.00
ATOM H	696	HZ2	TRP	X	47	-4.585	-5.901	-21.482	1.00	0.00
ATOM C	697	CH2	TRP	X	47	-3.916	-6.928	-23.312	1.00	0.00
ATOM H	698	HH2	TRP	X	47	-4.751	-7.607	-23.400	1.00	0.00
ATOM C	699	C	TRP	X	47	1.551	-5.614	-24.282	1.00	0.00
ATOM O	700	O	TRP	X	47	1.377	-5.989	-25.472	1.00	0.00

ATOM O	726	O	ALA	X	49	-1.195	-8.767	-19.698	1.00	0.00
ATOM N	727	N	VAL	X	50	-3.199	-9.507	-20.358	1.00	0.00
ATOM H	728	HN	VAL	X	50	-3.814	-9.798	-21.087	1.00	0.00
ATOM C	729	CA	VAL	X	50	-3.959	-9.454	-19.111	1.00	0.00
ATOM H	730	HA	VAL	X	50	-3.341	-9.178	-18.269	1.00	0.00
ATOM C	731	CB	VAL	X	50	-5.158	-8.509	-19.189	1.00	0.00
ATOM H	732	HB	VAL	X	50	-4.752	-7.495	-19.393	1.00	0.00
ATOM C	733	CG1	VAL	X	50	-6.160	-8.692	-20.330	1.00	0.00
ATOM H	734	HG11	VAL	X	50	-5.601	-8.663	-21.290	1.00	0.00
ATOM H	735	HG12	VAL	X	50	-7.008	-8.006	-20.122	1.00	0.00
ATOM H	736	HG13	VAL	X	50	-6.592	-9.715	-20.284	1.00	0.00
ATOM C	737	CG2	VAL	X	50	-5.916	-8.378	-17.857	1.00	0.00
ATOM H	738	HG21	VAL	X	50	-6.405	-7.381	-17.810	1.00	0.00
ATOM H	739	HG22	VAL	X	50	-5.216	-8.295	-16.998	1.00	0.00
ATOM H	740	HG23	VAL	X	50	-6.625	-9.222	-17.720	1.00	0.00
ATOM C	741	C	VAL	X	50	-4.406	-10.945	-18.653	1.00	0.00
ATOM O	742	O	VAL	X	50	-4.934	-11.765	-19.371	1.00	0.00
ATOM N	743	N	ILE	X	51	-4.266	-11.200	-17.335	1.00	0.00
ATOM H	744	HN	ILE	X	51	-3.778	-10.613	-16.694	1.00	0.00
ATOM C	745	CA	ILE	X	51	-5.049	-12.307	-16.893	1.00	0.00
ATOM H	746	HA	ILE	X	51	-5.629	-12.799	-17.660	1.00	0.00
ATOM C	747	CB	ILE	X	51	-4.161	-13.522	-16.406	1.00	0.00
ATOM H	748	HB	ILE	X	51	-3.685	-13.882	-17.343	1.00	0.00
ATOM C	749	CG2	ILE	X	51	-3.260	-13.096	-15.238	1.00	0.00
ATOM H	750	HG21	ILE	X	51	-3.901	-12.839	-14.368	1.00	0.00

ATOM H	751	HG22	ILE	X	51	-2.556	-12.266	-15.463	1.00	0.00
ATOM H	752	HG23	ILE	X	51	-2.559	-13.930	-15.022	1.00	0.00
ATOM C	753	CG1	ILE	X	51	-5.044	-14.680	-15.940	1.00	0.00
ATOM H	754	HG11	ILE	X	51	-5.724	-14.425	-15.099	1.00	0.00
ATOM H	755	HG12	ILE	X	51	-4.328	-15.448	-15.576	1.00	0.00
ATOM C	756	CD	ILE	X	51	-5.730	-15.322	-17.270	1.00	0.00
ATOM H	757	HD1	ILE	X	51	-6.204	-16.311	-17.096	1.00	0.00
ATOM H	758	HD2	ILE	X	51	-4.865	-15.547	-17.929	1.00	0.00
ATOM H	759	HD3	ILE	X	51	-6.409	-14.583	-17.747	1.00	0.00
ATOM C	760	C	ILE	X	51	-5.946	-11.623	-15.851	1.00	0.00
ATOM O	761	O	ILE	X	51	-5.466	-11.100	-14.862	1.00	0.00
ATOM N	762	N	PRO	X	52	-7.287	-11.648	-16.088	1.00	0.00
ATOM C	763	CD	PRO	X	52	-7.845	-11.812	-17.417	1.00	0.00
ATOM H	764	HD1	PRO	X	52	-7.842	-12.899	-17.651	1.00	0.00
ATOM H	765	HD2	PRO	X	52	-7.157	-11.294	-18.119	1.00	0.00
ATOM C	766	CA	PRO	X	52	-8.269	-11.225	-15.171	1.00	0.00
ATOM H	767	HA	PRO	X	52	-8.087	-10.172	-15.015	1.00	0.00
ATOM C	768	CB	PRO	X	52	-9.601	-11.648	-15.950	1.00	0.00
ATOM H	769	HB1	PRO	X	52	-10.516	-11.223	-15.484	1.00	0.00
ATOM H	770	HB2	PRO	X	52	-9.830	-12.726	-15.806	1.00	0.00
ATOM C	771	CG	PRO	X	52	-9.284	-11.247	-17.348	1.00	0.00
ATOM H	772	HG1	PRO	X	52	-10.007	-11.756	-18.021	1.00	0.00
ATOM H	773	HG2	PRO	X	52	-9.302	-10.170	-17.621	1.00	0.00
ATOM C	774	C	PRO	X	52	-8.295	-11.872	-13.763	1.00	0.00
ATOM O	775	O	PRO	X	52	-7.385	-12.554	-13.408	1.00	0.00

ATOM N	776	N	PHE X	53	-9.273	-11.437	-12.873	1.00	0.00
ATOM H	777	HN	PHE X	53	-9.979	-10.795	-13.163	1.00	0.00
ATOM C	778	CA	PHE X	53	-9.266	-11.781	-11.426	1.00	0.00
ATOM H	779	HA	PHE X	53	-8.423	-11.263	-10.993	1.00	0.00
ATOM C	780	CB	PHE X	53	-10.544	-11.181	-10.668	1.00	0.00
ATOM H	781	HB1	PHE X	53	-10.257	-11.067	-9.601	1.00	0.00
ATOM H	782	HB2	PHE X	53	-11.443	-11.827	-10.764	1.00	0.00
ATOM C	783	CG	PHE X	53	-11.002	-9.812	-11.143	1.00	0.00
ATOM C	784	CD1	PHE X	53	-10.235	-8.705	-10.688	1.00	0.00
ATOM H	785	HD1	PHE X	53	-9.373	-8.837	-10.052	1.00	0.00
ATOM C	786	CE1	PHE X	53	-10.515	-7.367	-11.059	1.00	0.00
ATOM H	787	HE1	PHE X	53	-9.866	-6.617	-10.632	1.00	0.00
ATOM C	788	CZ	PHE X	53	-11.470	-7.078	-11.971	1.00	0.00
ATOM H	789	HZ	PHE X	53	-11.706	-6.051	-12.210	1.00	0.00
ATOM C	790	CD2	PHE X	53	-12.044	-9.526	-12.023	1.00	0.00
ATOM H	791	HD2	PHE X	53	-12.501	-10.376	-12.507	1.00	0.00
ATOM C	792	CE2	PHE X	53	-12.326	-8.266	-12.467	1.00	0.00
ATOM H	793	HE2	PHE X	53	-13.101	-7.965	-13.157	1.00	0.00
ATOM C	794	C	PHE X	53	-9.187	-13.294	-11.182	1.00	0.00
ATOM O	795	O	PHE X	53	-8.475	-13.736	-10.301	1.00	0.00
ATOM N	796	N	ASP X	54	-9.908	-14.097	-11.968	1.00	0.00
ATOM H	797	HN	ASP X	54	-10.510	-13.705	-12.659	1.00	0.00
ATOM C	798	CA	ASP X	54	-9.942	-15.549	-11.823	1.00	0.00
ATOM H	799	HA	ASP X	54	-9.506	-15.844	-10.880	1.00	0.00
ATOM C	800	CB	ASP X	54	-11.379	-16.126	-11.858	1.00	0.00

ATOM H	826	HD1	ARG	X	56	-11.539	-20.032	-15.462	1.00	0.00
ATOM H	827	HD2	ARG	X	56	-13.146	-20.504	-16.033	1.00	0.00
ATOM N	828	NE	ARG	X	56	-13.144	-20.281	-13.912	1.00	0.00
ATOM H	829	HE	ARG	X	56	-13.231	-19.580	-13.204	1.00	0.00
ATOM C	830	CZ	ARG	X	56	-12.539	-21.376	-13.346	1.00	0.00
ATOM N	831	NH1	ARG	X	56	-12.049	-21.205	-12.114	1.00	0.00
ATOM H	832	HH11	ARG	X	56	-12.320	-20.350	-11.672	1.00	0.00
ATOM H	833	HH12	ARG	X	56	-11.723	-21.990	-11.587	1.00	0.00
ATOM N	834	NH2	ARG	X	56	-12.444	-22.558	-13.964	1.00	0.00
ATOM H	835	HH21	ARG	X	56	-12.697	-22.549	-14.931	1.00	0.00
ATOM H	836	HH22	ARG	X	56	-12.165	-23.325	-13.386	1.00	0.00
ATOM C	837	C	ARG	X	56	-11.161	-17.292	-18.810	1.00	0.00
ATOM O	838	O	ARG	X	56	-11.119	-18.142	-19.678	1.00	0.00
ATOM N	839	N	ASN	X	57	-11.156	-15.968	-19.048	1.00	0.00
ATOM H	840	HN	ASN	X	57	-11.228	-15.395	-18.235	1.00	0.00
ATOM C	841	CA	ASN	X	57	-10.806	-15.326	-20.309	1.00	0.00
ATOM H	842	HA	ASN	X	57	-10.667	-16.132	-21.014	1.00	0.00
ATOM C	843	CB	ASN	X	57	-11.874	-14.342	-20.778	1.00	0.00
ATOM H	844	HB1	ASN	X	57	-11.656	-13.975	-21.804	1.00	0.00
ATOM H	845	HB2	ASN	X	57	-12.041	-13.509	-20.063	1.00	0.00
ATOM C	846	CG	ASN	X	57	-13.250	-15.014	-20.949	1.00	0.00
ATOM O	847	OD1	ASN	X	57	-14.234	-14.441	-20.539	1.00	0.00
ATOM N	848	ND2	ASN	X	57	-13.362	-16.216	-21.521	1.00	0.00
ATOM H	849	HD21	ASN	X	57	-12.521	-16.732	-21.677	1.00	0.00
ATOM H	850	HD22	ASN	X	57	-14.274	-16.318	-21.920	1.00	0.00

ATOM C	851	C	ASN X	57	-9.484	-14.679	-20.219	1.00	0.00
ATOM O	852	O	ASN X	57	-9.079	-14.139	-19.192	1.00	0.00
ATOM N	853	N	LYS X	58	-8.650	-14.793	-21.312	1.00	0.00
ATOM H	854	HN	LYS X	58	-9.043	-15.147	-22.157	1.00	0.00
ATOM C	855	CA	LYS X	58	-7.262	-14.348	-21.299	1.00	0.00
ATOM H	856	HA	LYS X	58	-7.018	-13.776	-20.416	1.00	0.00
ATOM C	857	CB	LYS X	58	-6.274	-15.503	-21.329	1.00	0.00
ATOM H	858	HB1	LYS X	58	-5.244	-15.101	-21.223	1.00	0.00
ATOM H	859	HB2	LYS X	58	-6.179	-16.077	-22.275	1.00	0.00
ATOM C	860	CG	LYS X	58	-6.452	-16.620	-20.354	1.00	0.00
ATOM H	861	HG1	LYS X	58	-7.386	-17.181	-20.568	1.00	0.00
ATOM H	862	HG2	LYS X	58	-6.613	-16.139	-19.365	1.00	0.00
ATOM C	863	CD	LYS X	58	-5.255	-17.636	-20.271	1.00	0.00
ATOM H	864	HD1	LYS X	58	-4.287	-17.136	-20.056	1.00	0.00
ATOM H	865	HD2	LYS X	58	-5.062	-18.046	-21.285	1.00	0.00
ATOM C	866	CE	LYS X	58	-5.205	-18.812	-19.256	1.00	0.00
ATOM H	867	HE1	LYS X	58	-6.118	-19.444	-19.246	1.00	0.00
ATOM H	868	HE2	LYS X	58	-5.101	-18.483	-18.200	1.00	0.00
ATOM N	869	NZ	LYS X	58	-4.063	-19.695	-19.512	1.00	0.00
ATOM H	870	HZ1	LYS X	58	-4.044	-20.205	-20.418	1.00	0.00
ATOM H	871	HZ2	LYS X	58	-3.857	-20.364	-18.743	1.00	0.00
ATOM H	872	HZ3	LYS X	58	-3.224	-19.082	-19.470	1.00	0.00
ATOM C	873	C	LYS X	58	-6.921	-13.546	-22.569	1.00	0.00
ATOM O	874	O	LYS X	58	-7.008	-13.999	-23.688	1.00	0.00
ATOM N	875	N	TYR X	59	-6.477	-12.305	-22.418	1.00	0.00

ATOM H	876	HN	TYR	X	59	-6.447	-11.824	-21.545	1.00	0.00
ATOM C	877	CA	TYR	X	59	-6.238	-11.400	-23.543	1.00	0.00
ATOM H	878	HA	TYR	X	59	-6.490	-11.964	-24.429	1.00	0.00
ATOM C	879	CB	TYR	X	59	-7.151	-10.156	-23.640	1.00	0.00
ATOM H	880	HB1	TYR	X	59	-7.050	-9.696	-24.646	1.00	0.00
ATOM H	881	HB2	TYR	X	59	-6.816	-9.340	-22.965	1.00	0.00
ATOM C	882	CG	TYR	X	59	-8.553	-10.554	-23.449	1.00	0.00
ATOM C	883	CD1	TYR	X	59	-9.182	-10.362	-22.202	1.00	0.00
ATOM H	884	HD1	TYR	X	59	-8.691	-9.884	-21.366	1.00	0.00
ATOM C	885	CE1	TYR	X	59	-10.511	-10.828	-22.058	1.00	0.00
ATOM H	886	HE1	TYR	X	59	-11.012	-10.585	-21.133	1.00	0.00
ATOM C	887	CZ	TYR	X	59	-11.249	-11.356	-23.108	1.00	0.00
ATOM O	888	OH	TYR	X	59	-12.621	-11.581	-22.948	1.00	0.00
ATOM H	889	HH	TYR	X	59	-12.973	-12.365	-23.376	1.00	0.00
ATOM C	890	CD2	TYR	X	59	-9.244	-11.099	-24.485	1.00	0.00
ATOM H	891	HD2	TYR	X	59	-8.651	-11.362	-25.348	1.00	0.00
ATOM C	892	CE2	TYR	X	59	-10.592	-11.487	-24.335	1.00	0.00
ATOM H	893	HE2	TYR	X	59	-11.048	-11.960	-25.192	1.00	0.00
ATOM C	894	C	TYR	X	59	-4.806	-11.148	-23.639	1.00	0.00
ATOM O	895	O	TYR	X	59	-4.177	-10.729	-22.688	1.00	0.00
ATOM N	896	N	TYR	X	60	-4.291	-11.304	-24.881	1.00	0.00
ATOM H	897	HN	TYR	X	60	-4.975	-11.732	-25.467	1.00	0.00
ATOM C	898	CA	TYR	X	60	-2.965	-11.205	-25.352	1.00	0.00
ATOM H	899	HA	TYR	X	60	-2.427	-10.918	-24.460	1.00	0.00
ATOM C	900	CB	TYR	X	60	-2.447	-12.646	-26.011	1.00	0.00

ATOM H	901	HB1	TYR	X	60	-1.420	-12.490	-26.406	1.00	0.00
ATOM H	902	HB2	TYR	X	60	-3.058	-13.016	-26.862	1.00	0.00
ATOM C	903	CG	TYR	X	60	-2.472	-13.868	-25.107	1.00	0.00
ATOM C	904	CD1	TYR	X	60	-3.622	-14.604	-24.904	1.00	0.00
ATOM H	905	HD1	TYR	X	60	-4.514	-14.363	-25.463	1.00	0.00
ATOM C	906	CE1	TYR	X	60	-3.661	-15.699	-24.074	1.00	0.00
ATOM H	907	HE1	TYR	X	60	-4.621	-16.159	-23.896	1.00	0.00
ATOM C	908	CZ	TYR	X	60	-2.513	-16.053	-23.339	1.00	0.00
ATOM O	909	OH	TYR	X	60	-2.661	-17.243	-22.569	1.00	0.00
ATOM H	910	HH	TYR	X	60	-3.396	-17.694	-22.991	1.00	0.00
ATOM C	911	CD2	TYR	X	60	-1.278	-14.333	-24.495	1.00	0.00
ATOM H	912	HD2	TYR	X	60	-0.317	-13.894	-24.716	1.00	0.00
ATOM C	913	CE2	TYR	X	60	-1.318	-15.440	-23.585	1.00	0.00
ATOM H	914	HE2	TYR	X	60	-0.362	-15.693	-23.150	1.00	0.00
ATOM C	915	C	TYR	X	60	-2.836	-10.111	-26.544	1.00	0.00
ATOM O	916	O	TYR	X	60	-3.768	-9.904	-27.287	1.00	0.00
ATOM N	917	N	ALA	X	61	-1.694	-9.477	-26.691	1.00	0.00
ATOM H	918	HN	ALA	X	61	-0.951	-9.671	-26.055	1.00	0.00
ATOM C	919	CA	ALA	X	61	-1.334	-8.784	-27.934	1.00	0.00
ATOM H	920	HA	ALA	X	61	-2.190	-8.178	-28.191	1.00	0.00
ATOM C	921	CB	ALA	X	61	-0.096	-7.811	-27.708	1.00	0.00
ATOM H	922	HB1	ALA	X	61	0.169	-7.380	-28.697	1.00	0.00
ATOM H	923	HB2	ALA	X	61	0.649	-8.398	-27.129	1.00	0.00
ATOM H	924	HB3	ALA	X	61	-0.511	-6.920	-27.189	1.00	0.00
ATOM C	925	C	ALA	X	61	-1.086	-9.774	-29.098	1.00	0.00

ATOM O	926	O	ALA	X	61	-0.605	-10.908	-28.932	1.00	0.00
ATOM N	927	N	ASP	X	62	-1.449	-9.360	-30.350	1.00	0.00
ATOM H	928	HN	ASP	X	62	-1.871	-8.464	-30.460	1.00	0.00
ATOM C	929	CA	ASP	X	62	-1.425	-10.166	-31.523	1.00	0.00
ATOM H	930	HA	ASP	X	62	-2.036	-11.038	-31.343	1.00	0.00
ATOM C	931	CB	ASP	X	62	-1.887	-9.315	-32.697	1.00	0.00
ATOM H	932	HB1	ASP	X	62	-1.745	-9.896	-33.634	1.00	0.00
ATOM H	933	HB2	ASP	X	62	-1.356	-8.346	-32.820	1.00	0.00
ATOM C	934	CG	ASP	X	62	-3.417	-9.047	-32.672	1.00	0.00
ATOM O	935	OD1	ASP	X	62	-4.218	-9.506	-31.817	1.00	0.00
ATOM O	936	OD2	ASP	X	62	-3.830	-8.448	-33.687	1.00	0.00
ATOM C	937	C	ASP	X	62	0.019	-10.635	-31.835	1.00	0.00
ATOM O	938	O	ASP	X	62	0.287	-11.758	-32.332	1.00	0.00
ATOM N	939	N	SER	X	63	1.041	-9.856	-31.537	1.00	0.00
ATOM H	940	HN	SER	X	63	0.891	-8.910	-31.263	1.00	0.00
ATOM C	941	CA	SER	X	63	2.387	-10.334	-31.792	1.00	0.00
ATOM H	942	HA	SER	X	63	2.359	-10.630	-32.830	1.00	0.00
ATOM C	943	CB	SER	X	63	3.458	-9.167	-31.776	1.00	0.00
ATOM H	944	HB1	SER	X	63	4.435	-9.618	-32.052	1.00	0.00
ATOM H	945	HB2	SER	X	63	3.585	-8.785	-30.741	1.00	0.00
ATOM O	946	OG	SER	X	63	3.150	-8.102	-32.626	1.00	0.00
ATOM H	947	HG1	SER	X	63	2.459	-7.643	-32.144	1.00	0.00
ATOM C	948	C	SER	X	63	2.933	-11.449	-30.893	1.00	0.00
ATOM O	949	O	SER	X	63	3.981	-12.034	-31.216	1.00	0.00
ATOM N	950	N	VAL	X	64	2.262	-11.775	-29.761	1.00	0.00

ATOM H	951	HN	VAL X	64	1.306	-11.536	-29.611	1.00	0.00
ATOM C	952	CA	VAL X	64	2.860	-12.593	-28.744	1.00	0.00
ATOM H	953	HA	VAL X	64	3.841	-12.949	-29.022	1.00	0.00
ATOM C	954	CB	VAL X	64	3.100	-11.788	-27.411	1.00	0.00
ATOM H	955	HB	VAL X	64	3.313	-12.592	-26.675	1.00	0.00
ATOM C	956	CG1	VAL X	64	4.270	-10.930	-27.407	1.00	0.00
ATOM H	957	HG11	VAL X	64	4.395	-10.355	-26.464	1.00	0.00
ATOM H	958	HG12	VAL X	64	4.132	-10.230	-28.259	1.00	0.00
ATOM H	959	HG13	VAL X	64	5.257	-11.430	-27.514	1.00	0.00
ATOM C	960	CG2	VAL X	64	1.906	-11.001	-27.127	1.00	0.00
ATOM H	961	HG21	VAL X	64	1.110	-11.765	-26.999	1.00	0.00
ATOM H	962	HG22	VAL X	64	1.527	-10.266	-27.869	1.00	0.00
ATOM H	963	HG23	VAL X	64	2.146	-10.507	-26.161	1.00	0.00
ATOM C	964	C	VAL X	64	2.024	-13.892	-28.458	1.00	0.00
ATOM O	965	O	VAL X	64	2.453	-14.826	-27.808	1.00	0.00
ATOM N	966	N	THR X	65	0.817	-13.986	-29.059	1.00	0.00
ATOM H	967	HN	THR X	65	0.615	-13.296	-29.749	1.00	0.00
ATOM C	968	CA	THR X	65	-0.082	-15.093	-29.145	1.00	0.00
ATOM H	969	HA	THR X	65	-0.448	-15.108	-28.129	1.00	0.00
ATOM C	970	CB	THR X	65	-1.206	-14.796	-30.129	1.00	0.00
ATOM H	971	HB	THR X	65	-1.701	-15.698	-30.549	1.00	0.00
ATOM O	972	OG1	THR X	65	-0.607	-14.234	-31.313	1.00	0.00
ATOM H	973	HG1	THR X	65	-1.318	-14.250	-31.959	1.00	0.00
ATOM C	974	CG2	THR X	65	-2.239	-13.873	-29.477	1.00	0.00
ATOM H	975	HG21	THR X	65	-2.896	-13.497	-30.290	1.00	0.00

ATOM H	1001	HE	ARG	X	67	6.608	-15.510	-30.926	1.00	0.00
ATOM C	1002	CZ	ARG	X	67	8.490	-15.372	-30.260	1.00	0.00
ATOM N	1003	NH1	ARG	X	67	9.587	-15.950	-29.748	1.00	0.00
ATOM H	1004	HH11	ARG	X	67	9.600	-16.947	-29.679	1.00	0.00
ATOM H	1005	HH12	ARG	X	67	10.445	-15.441	-29.683	1.00	0.00
ATOM N	1006	NH2	ARG	X	67	8.560	-14.089	-30.603	1.00	0.00
ATOM H	1007	HH21	ARG	X	67	7.661	-13.661	-30.699	1.00	0.00
ATOM H	1008	HH22	ARG	X	67	9.330	-13.539	-30.281	1.00	0.00
ATOM C	1009	C	ARG	X	67	4.198	-18.233	-26.337	1.00	0.00
ATOM O	1010	O	ARG	X	67	4.910	-18.888	-25.598	1.00	0.00
ATOM N	1011	N	PHE	X	68	3.315	-17.256	-25.863	1.00	0.00
ATOM H	1012	HN	PHE	X	68	2.835	-16.647	-26.490	1.00	0.00
ATOM C	1013	CA	PHE	X	68	2.974	-17.152	-24.505	1.00	0.00
ATOM H	1014	HA	PHE	X	68	3.796	-17.578	-23.949	1.00	0.00
ATOM C	1015	CB	PHE	X	68	2.868	-15.618	-24.108	1.00	0.00
ATOM H	1016	HB1	PHE	X	68	2.733	-15.694	-23.008	1.00	0.00
ATOM H	1017	HB2	PHE	X	68	2.141	-15.019	-24.698	1.00	0.00
ATOM C	1018	CG	PHE	X	68	4.107	-14.712	-24.296	1.00	0.00
ATOM C	1019	CD1	PHE	X	68	5.363	-15.172	-24.815	1.00	0.00
ATOM H	1020	HD1	PHE	X	68	5.498	-16.174	-25.195	1.00	0.00
ATOM C	1021	CE1	PHE	X	68	6.454	-14.290	-25.034	1.00	0.00
ATOM H	1022	HE1	PHE	X	68	7.330	-14.617	-25.574	1.00	0.00
ATOM C	1023	CZ	PHE	X	68	6.235	-12.903	-24.951	1.00	0.00
ATOM H	1024	HZ	PHE	X	68	7.021	-12.227	-25.255	1.00	0.00
ATOM C	1025	CD2	PHE	X	68	4.006	-13.321	-24.078	1.00	0.00

ATOM H	1126	HN	SER	X	75	-3.488	-18.793	-5.478	1.00	0.00
ATOM C	1127	CA	SER	X	75	-3.692	-18.890	-3.322	1.00	0.00
ATOM H	1128	HA	SER	X	75	-4.405	-18.460	-2.634	1.00	0.00
ATOM C	1129	CB	SER	X	75	-3.753	-20.440	-3.279	1.00	0.00
ATOM H	1130	HB1	SER	X	75	-3.424	-20.742	-2.261	1.00	0.00
ATOM H	1131	HB2	SER	X	75	-3.189	-20.974	-4.072	1.00	0.00
ATOM O	1132	OG	SER	X	75	-5.162	-20.835	-3.422	1.00	0.00
ATOM H	1133	HG1	SER	X	75	-5.249	-21.790	-3.372	1.00	0.00
ATOM C	1134	C	SER	X	75	-2.300	-18.482	-2.830	1.00	0.00
ATOM O	1135	O	SER	X	75	-2.186	-18.013	-1.709	1.00	0.00
ATOM N	1136	N	LYS	X	76	-1.268	-18.723	-3.675	1.00	0.00
ATOM H	1137	HN	LYS	X	76	-1.488	-19.177	-4.535	1.00	0.00
ATOM C	1138	CA	LYS	X	76	0.070	-18.270	-3.374	1.00	0.00
ATOM H	1139	HA	LYS	X	76	0.252	-18.250	-2.310	1.00	0.00
ATOM C	1140	CB	LYS	X	76	1.183	-19.188	-3.893	1.00	0.00
ATOM H	1141	HB1	LYS	X	76	2.180	-18.699	-3.918	1.00	0.00
ATOM H	1142	HB2	LYS	X	76	1.052	-19.427	-4.970	1.00	0.00
ATOM C	1143	CG	LYS	X	76	1.325	-20.458	-3.134	1.00	0.00
ATOM H	1144	HG1	LYS	X	76	1.429	-20.185	-2.062	1.00	0.00
ATOM H	1145	HG2	LYS	X	76	2.214	-21.060	-3.424	1.00	0.00
ATOM C	1146	CD	LYS	X	76	0.170	-21.367	-3.263	1.00	0.00
ATOM H	1147	HD1	LYS	X	76	-0.099	-21.372	-4.341	1.00	0.00
ATOM H	1148	HD2	LYS	X	76	-0.592	-20.853	-2.639	1.00	0.00
ATOM C	1149	CE	LYS	X	76	0.410	-22.888	-2.888	1.00	0.00
ATOM H	1150	HE1	LYS	X	76	0.628	-22.963	-1.801	1.00	0.00

ATOM C	1176	CB	THR X	78	2.619	-15.951	-7.655	1.00	0.00
ATOM H	1177	HB	THR X	78	2.149	-16.886	-8.030	1.00	0.00
ATOM O	1178	OG1	THR X	78	3.076	-16.013	-6.339	1.00	0.00
ATOM H	1179	HG1	THR X	78	2.426	-15.596	-5.769	1.00	0.00
ATOM C	1180	CG2	THR X	78	3.914	-15.676	-8.464	1.00	0.00
ATOM H	1181	HG21	THR X	78	4.457	-14.782	-8.089	1.00	0.00
ATOM H	1182	HG22	THR X	78	3.702	-15.412	-9.522	1.00	0.00
ATOM H	1183	HG23	THR X	78	4.626	-16.529	-8.462	1.00	0.00
ATOM C	1184	C	THR X	78	1.039	-14.863	-9.319	1.00	0.00
ATOM O	1185	O	THR X	78	0.038	-15.490	-9.695	1.00	0.00
ATOM N	1186	N	LEU X	79	1.628	-14.106	-10.266	1.00	0.00
ATOM H	1187	HN	LEU X	79	2.330	-13.516	-9.873	1.00	0.00
ATOM C	1188	CA	LEU X	79	1.273	-14.038	-11.688	1.00	0.00
ATOM H	1189	HA	LEU X	79	0.353	-14.527	-11.974	1.00	0.00
ATOM C	1190	CB	LEU X	79	1.293	-12.600	-12.196	1.00	0.00
ATOM H	1191	HB1	LEU X	79	2.086	-12.012	-11.686	1.00	0.00
ATOM H	1192	HB2	LEU X	79	0.456	-12.047	-11.718	1.00	0.00
ATOM C	1193	CG	LEU X	79	1.348	-12.267	-13.706	1.00	0.00
ATOM H	1194	HG	LEU X	79	2.328	-12.581	-14.125	1.00	0.00
ATOM C	1195	CD1	LEU X	79	0.248	-12.893	-14.465	1.00	0.00
ATOM H	1196	HD11	LEU X	79	0.323	-13.981	-14.674	1.00	0.00
ATOM H	1197	HD12	LEU X	79	0.147	-12.406	-15.459	1.00	0.00
ATOM H	1198	HD13	LEU X	79	-0.735	-12.805	-13.956	1.00	0.00
ATOM C	1199	CD2	LEU X	79	1.381	-10.734	-13.895	1.00	0.00
ATOM H	1200	HD21	LEU X	79	0.467	-10.335	-13.405	1.00	0.00

ATOM H	1201	HD22	LEU	X	79	1.390	-10.355	-14.939	1.00	0.00
ATOM H	1202	HD23	LEU	X	79	2.241	-10.216	-13.418	1.00	0.00
ATOM C	1203	C	LEU	X	79	2.337	-14.717	-12.491	1.00	0.00
ATOM O	1204	O	LEU	X	79	3.511	-14.472	-12.205	1.00	0.00
ATOM N	1205	N	TYR	X	80	2.048	-15.621	-13.456	1.00	0.00
ATOM H	1206	HN	TYR	X	80	1.088	-15.874	-13.548	1.00	0.00
ATOM C	1207	CA	TYR	X	80	2.941	-16.332	-14.340	1.00	0.00
ATOM H	1208	HA	TYR	X	80	3.896	-15.946	-14.016	1.00	0.00
ATOM C	1209	CB	TYR	X	80	2.817	-17.743	-14.171	1.00	0.00
ATOM H	1210	HB1	TYR	X	80	3.699	-18.206	-14.664	1.00	0.00
ATOM H	1211	HB2	TYR	X	80	1.877	-18.166	-14.587	1.00	0.00
ATOM C	1212	CG	TYR	X	80	3.017	-18.104	-12.715	1.00	0.00
ATOM C	1213	CD1	TYR	X	80	4.259	-18.464	-12.295	1.00	0.00
ATOM H	1214	HD1	TYR	X	80	5.079	-18.344	-12.988	1.00	0.00
ATOM C	1215	CE1	TYR	X	80	4.429	-18.996	-10.961	1.00	0.00
ATOM H	1216	HE1	TYR	X	80	5.374	-19.181	-10.472	1.00	0.00
ATOM C	1217	CZ	TYR	X	80	3.308	-19.210	-10.090	1.00	0.00
ATOM O	1218	OH	TYR	X	80	3.497	-19.817	-8.823	1.00	0.00
ATOM H	1219	HH	TYR	X	80	4.443	-19.980	-8.822	1.00	0.00
ATOM C	1220	CD2	TYR	X	80	1.931	-18.366	-11.852	1.00	0.00
ATOM H	1221	HD2	TYR	X	80	0.987	-18.311	-12.373	1.00	0.00
ATOM C	1222	CE2	TYR	X	80	2.060	-18.835	-10.582	1.00	0.00
ATOM H	1223	HE2	TYR	X	80	1.196	-19.004	-9.957	1.00	0.00
ATOM C	1224	C	TYR	X	80	2.772	-16.034	-15.789	1.00	0.00
ATOM O	1225	O	TYR	X	80	1.620	-16.052	-16.222	1.00	0.00

ATOM N	1226	N	LEU X	81	3.896	-15.831	-16.556	1.00	0.00
ATOM H	1227	HN	LEU X	81	4.749	-15.834	-16.041	1.00	0.00
ATOM C	1228	CA	LEU X	81	3.976	-15.742	-17.968	1.00	0.00
ATOM H	1229	HA	LEU X	81	3.008	-15.992	-18.376	1.00	0.00
ATOM C	1230	CB	LEU X	81	4.488	-14.338	-18.461	1.00	0.00
ATOM H	1231	HB1	LEU X	81	5.422	-13.997	-17.966	1.00	0.00
ATOM H	1232	HB2	LEU X	81	3.618	-13.710	-18.174	1.00	0.00
ATOM C	1233	CG	LEU X	81	4.576	-14.156	-19.984	1.00	0.00
ATOM H	1234	HG	LEU X	81	5.401	-14.643	-20.548	1.00	0.00
ATOM C	1235	CD1	LEU X	81	3.285	-14.544	-20.650	1.00	0.00
ATOM H	1236	HD11	LEU X	81	2.478	-14.181	-19.978	1.00	0.00
ATOM H	1237	HD12	LEU X	81	3.189	-15.648	-20.735	1.00	0.00
ATOM H	1238	HD13	LEU X	81	3.153	-14.037	-21.630	1.00	0.00
ATOM C	1239	CD2	LEU X	81	4.750	-12.632	-20.186	1.00	0.00
ATOM H	1240	HD21	LEU X	81	3.909	-11.980	-19.866	1.00	0.00
ATOM H	1241	HD22	LEU X	81	4.726	-12.500	-21.289	1.00	0.00
ATOM H	1242	HD23	LEU X	81	5.617	-12.149	-19.686	1.00	0.00
ATOM C	1243	C	LEU X	81	4.956	-16.852	-18.389	1.00	0.00
ATOM O	1244	O	LEU X	81	6.050	-16.894	-17.886	1.00	0.00
ATOM N	1245	N	GLN X	82	4.568	-17.867	-19.248	1.00	0.00
ATOM H	1246	HN	GLN X	82	3.618	-17.961	-19.536	1.00	0.00
ATOM C	1247	CA	GLN X	82	5.399	-18.968	-19.686	1.00	0.00
ATOM H	1248	HA	GLN X	82	6.373	-18.831	-19.240	1.00	0.00
ATOM C	1249	CB	GLN X	82	4.787	-20.320	-19.244	1.00	0.00
ATOM H	1250	HB1	GLN X	82	3.754	-20.422	-19.639	1.00	0.00

ATOM H	1251	HB2	GLN	X	82	4.788	-20.315	-18.133	1.00	0.00
ATOM C	1252	CG	GLN	X	82	5.662	-21.607	-19.575	1.00	0.00
ATOM H	1253	HG1	GLN	X	82	6.057	-21.511	-20.609	1.00	0.00
ATOM H	1254	HG2	GLN	X	82	4.985	-22.488	-19.579	1.00	0.00
ATOM C	1255	CD	GLN	X	82	6.840	-21.860	-18.625	1.00	0.00
ATOM O	1256	OE1	GLN	X	82	6.821	-21.352	-17.495	1.00	0.00
ATOM N	1257	NE2	GLN	X	82	7.903	-22.616	-19.053	1.00	0.00
ATOM H	1258	HE21	GLN	X	82	8.766	-22.759	-18.570	1.00	0.00
ATOM H	1259	HE22	GLN	X	82	7.822	-22.867	-20.018	1.00	0.00
ATOM C	1260	C	GLN	X	82	5.490	-18.867	-21.208	1.00	0.00
ATOM O	1261	O	GLN	X	82	4.575	-19.088	-22.056	1.00	0.00
ATOM N	1262	N	MET	X	83	6.789	-18.699	-21.682	1.00	0.00
ATOM H	1263	HN	MET	X	83	7.530	-18.747	-21.017	1.00	0.00
ATOM C	1264	CA	MET	X	83	7.079	-18.362	-22.985	1.00	0.00
ATOM H	1265	HA	MET	X	83	6.291	-18.016	-23.638	1.00	0.00
ATOM C	1266	CB	MET	X	83	8.196	-17.202	-23.013	1.00	0.00
ATOM H	1267	HB1	MET	X	83	8.475	-16.867	-24.035	1.00	0.00
ATOM H	1268	HB2	MET	X	83	9.098	-17.554	-22.468	1.00	0.00
ATOM C	1269	CG	MET	X	83	7.822	-15.974	-22.065	1.00	0.00
ATOM H	1270	HG1	MET	X	83	7.908	-16.407	-21.045	1.00	0.00
ATOM H	1271	HG2	MET	X	83	6.747	-15.735	-22.212	1.00	0.00
ATOM S	1272	SD	MET	X	83	8.846	-14.514	-22.254	1.00	0.00
ATOM C	1273	CE	MET	X	83	8.559	-13.662	-20.631	1.00	0.00
ATOM H	1274	HE1	MET	X	83	8.505	-14.441	-19.840	1.00	0.00
ATOM H	1275	HE2	MET	X	83	7.573	-13.171	-20.486	1.00	0.00

ATOM H	1276	HE3	MET	X	83	9.436	-13.047	-20.334	1.00	0.00
ATOM C	1277	C	MET	X	83	7.621	-19.622	-23.709	1.00	0.00
ATOM O	1278	O	MET	X	83	8.368	-20.249	-23.037	1.00	0.00
ATOM N	1279	N	ASN	X	84	7.327	-19.740	-24.973	1.00	0.00
ATOM H	1280	HN	ASN	X	84	6.746	-19.059	-25.413	1.00	0.00
ATOM C	1281	CA	ASN	X	84	7.869	-20.845	-25.818	1.00	0.00
ATOM H	1282	HA	ASN	X	84	8.455	-21.492	-25.182	1.00	0.00
ATOM C	1283	CB	ASN	X	84	6.609	-21.586	-26.384	1.00	0.00
ATOM H	1284	HB1	ASN	X	84	6.988	-22.303	-27.142	1.00	0.00
ATOM H	1285	HB2	ASN	X	84	5.859	-20.951	-26.901	1.00	0.00
ATOM C	1286	CG	ASN	X	84	5.880	-22.313	-25.263	1.00	0.00
ATOM O	1287	OD1	ASN	X	84	6.274	-23.433	-24.942	1.00	0.00
ATOM N	1288	ND2	ASN	X	84	4.923	-21.636	-24.511	1.00	0.00
ATOM H	1289	HD21	ASN	X	84	4.812	-20.650	-24.630	1.00	0.00
ATOM H	1290	HD22	ASN	X	84	4.616	-22.024	-23.642	1.00	0.00
ATOM C	1291	C	ASN	X	84	8.694	-20.275	-26.968	1.00	0.00
ATOM O	1292	O	ASN	X	84	8.478	-19.110	-27.369	1.00	0.00
ATOM N	1293	N	SER	X	85	9.701	-21.102	-27.419	1.00	0.00
ATOM H	1294	HN	SER	X	85	9.671	-22.048	-27.104	1.00	0.00
ATOM C	1295	CA	SER	X	85	10.647	-20.773	-28.465	1.00	0.00
ATOM H	1296	HA	SER	X	85	11.523	-21.390	-28.323	1.00	0.00
ATOM C	1297	CB	SER	X	85	10.127	-21.312	-29.798	1.00	0.00
ATOM H	1298	HB1	SER	X	85	10.689	-20.831	-30.627	1.00	0.00
ATOM H	1299	HB2	SER	X	85	9.061	-21.042	-29.957	1.00	0.00
ATOM O	1300	OG	SER	X	85	10.294	-22.715	-29.928	1.00	0.00

ATOM H	1301	HG1	SER	X	85	9.887	-22.930	-30.770	1.00	0.00
ATOM C	1302	C	SER	X	85	11.227	-19.416	-28.690	1.00	0.00
ATOM O	1303	O	SER	X	85	10.860	-18.688	-29.627	1.00	0.00
ATOM N	1304	N	LEU	X	86	12.166	-18.947	-27.730	1.00	0.00
ATOM H	1305	HN	LEU	X	86	12.431	-19.484	-26.932	1.00	0.00
ATOM C	1306	CA	LEU	X	86	12.650	-17.619	-27.761	1.00	0.00
ATOM H	1307	HA	LEU	X	86	11.891	-17.039	-28.266	1.00	0.00
ATOM C	1308	CB	LEU	X	86	12.975	-16.968	-26.351	1.00	0.00
ATOM H	1309	HB1	LEU	X	86	13.264	-15.915	-26.554	1.00	0.00
ATOM H	1310	HB2	LEU	X	86	13.898	-17.372	-25.884	1.00	0.00
ATOM C	1311	CG	LEU	X	86	11.827	-16.858	-25.430	1.00	0.00
ATOM H	1312	HG	LEU	X	86	11.301	-17.830	-25.316	1.00	0.00
ATOM C	1313	CD1	LEU	X	86	12.407	-16.410	-24.066	1.00	0.00
ATOM H	1314	HD11	LEU	X	86	11.571	-16.310	-23.341	1.00	0.00
ATOM H	1315	HD12	LEU	X	86	12.830	-15.384	-24.025	1.00	0.00
ATOM H	1316	HD13	LEU	X	86	13.157	-17.053	-23.558	1.00	0.00
ATOM C	1317	CD2	LEU	X	86	10.775	-15.989	-25.983	1.00	0.00
ATOM H	1318	HD21	LEU	X	86	10.269	-16.408	-26.879	1.00	0.00
ATOM H	1319	HD22	LEU	X	86	11.083	-14.926	-26.078	1.00	0.00
ATOM H	1320	HD23	LEU	X	86	9.948	-15.952	-25.241	1.00	0.00
ATOM C	1321	C	LEU	X	86	13.870	-17.450	-28.711	1.00	0.00
ATOM O	1322	O	LEU	X	86	14.726	-18.313	-28.907	1.00	0.00
ATOM N	1323	N	ARG	X	87	13.905	-16.339	-29.484	1.00	0.00
ATOM H	1324	HN	ARG	X	87	13.315	-15.570	-29.249	1.00	0.00
ATOM C	1325	CA	ARG	X	87	14.837	-16.057	-30.553	1.00	0.00

ATOM C	1351	CB	ALA	X	88	18.449	-13.021	-32.051	1.00	0.00
ATOM H	1352	HB1	ALA	X	88	19.233	-12.350	-31.637	1.00	0.00
ATOM H	1353	HB2	ALA	X	88	18.041	-12.519	-32.954	1.00	0.00
ATOM H	1354	HB3	ALA	X	88	18.870	-14.027	-32.260	1.00	0.00
ATOM C	1355	C	ALA	X	88	16.841	-11.825	-30.565	1.00	0.00
ATOM O	1356	O	ALA	X	88	17.270	-11.058	-29.730	1.00	0.00
ATOM N	1357	N	GLU	X	89	15.667	-11.487	-31.226	1.00	0.00
ATOM H	1358	HN	GLU	X	89	15.251	-12.167	-31.825	1.00	0.00
ATOM C	1359	CA	GLU	X	89	15.049	-10.142	-31.090	1.00	0.00
ATOM H	1360	HA	GLU	X	89	15.762	-9.444	-30.678	1.00	0.00
ATOM C	1361	CB	GLU	X	89	14.502	-9.714	-32.477	1.00	0.00
ATOM H	1362	HB1	GLU	X	89	14.209	-8.656	-32.305	1.00	0.00
ATOM H	1363	HB2	GLU	X	89	13.586	-10.261	-32.787	1.00	0.00
ATOM C	1364	CG	GLU	X	89	15.546	-9.733	-33.660	1.00	0.00
ATOM H	1365	HG1	GLU	X	89	15.921	-10.776	-33.739	1.00	0.00
ATOM H	1366	HG2	GLU	X	89	16.403	-9.135	-33.282	1.00	0.00
ATOM C	1367	CD	GLU	X	89	15.279	-9.162	-35.043	1.00	0.00
ATOM O	1368	OE1	GLU	X	89	16.122	-9.348	-35.928	1.00	0.00
ATOM O	1369	OE2	GLU	X	89	14.265	-8.459	-35.121	1.00	0.00
ATOM C	1370	C	GLU	X	89	13.880	-10.088	-30.076	1.00	0.00
ATOM O	1371	O	GLU	X	89	13.017	-9.228	-30.081	1.00	0.00
ATOM N	1372	N	ASP	X	90	13.772	-11.209	-29.277	1.00	0.00
ATOM H	1373	HN	ASP	X	90	14.395	-11.981	-29.372	1.00	0.00
ATOM C	1374	CA	ASP	X	90	12.795	-11.327	-28.082	1.00	0.00
ATOM H	1375	HA	ASP	X	90	12.021	-10.598	-28.270	1.00	0.00

ATOM C	1426	CA	TYR X	94	9.559	-6.629	-18.637	1.00	0.00
ATOM H	1427	HA	TYR X	94	8.937	-6.350	-19.474	1.00	0.00
ATOM C	1428	CB	TYR X	94	9.135	-8.078	-18.534	1.00	0.00
ATOM H	1429	HB1	TYR X	94	8.159	-8.169	-18.010	1.00	0.00
ATOM H	1430	HB2	TYR X	94	9.872	-8.601	-17.888	1.00	0.00
ATOM C	1431	CG	TYR X	94	9.011	-8.786	-19.807	1.00	0.00
ATOM C	1432	CD1	TYR X	94	10.164	-9.305	-20.437	1.00	0.00
ATOM H	1433	HD1	TYR X	94	11.120	-9.331	-19.935	1.00	0.00
ATOM C	1434	CE1	TYR X	94	10.138	-10.122	-21.505	1.00	0.00
ATOM H	1435	HE1	TYR X	94	11.029	-10.468	-22.006	1.00	0.00
ATOM C	1436	CZ	TYR X	94	8.920	-10.326	-22.177	1.00	0.00
ATOM O	1437	OH	TYR X	94	8.700	-11.047	-23.378	1.00	0.00
ATOM H	1438	HH	TYR X	94	9.550	-11.451	-23.567	1.00	0.00
ATOM C	1439	CD2	TYR X	94	7.779	-9.051	-20.416	1.00	0.00
ATOM H	1440	HD2	TYR X	94	6.907	-8.675	-19.901	1.00	0.00
ATOM C	1441	CE2	TYR X	94	7.717	-9.835	-21.587	1.00	0.00
ATOM H	1442	HE2	TYR X	94	6.806	-9.960	-22.153	1.00	0.00
ATOM C	1443	C	TYR X	94	9.201	-5.884	-17.358	1.00	0.00
ATOM O	1444	O	TYR X	94	9.945	-5.799	-16.412	1.00	0.00
ATOM N	1445	N	TYR X	95	7.936	-5.389	-17.326	1.00	0.00
ATOM H	1446	HN	TYR X	95	7.335	-5.463	-18.118	1.00	0.00
ATOM C	1447	CA	TYR X	95	7.352	-4.722	-16.149	1.00	0.00
ATOM H	1448	HA	TYR X	95	7.954	-4.832	-15.259	1.00	0.00
ATOM C	1449	CB	TYR X	95	7.170	-3.163	-16.407	1.00	0.00
ATOM H	1450	HB1	TYR X	95	6.373	-2.644	-15.832	1.00	0.00

ATOM N	1476	N	ALA	X	97	2.214	-5.508	-14.127	1.00	0.00
ATOM H	1477	HN	ALA	X	97	1.913	-6.373	-14.521	1.00	0.00
ATOM C	1478	CA	ALA	X	97	1.215	-4.514	-14.002	1.00	0.00
ATOM H	1479	HA	ALA	X	97	1.530	-3.757	-13.300	1.00	0.00
ATOM C	1480	CB	ALA	X	97	1.067	-3.747	-15.334	1.00	0.00
ATOM H	1481	HB1	ALA	X	97	2.011	-3.224	-15.600	1.00	0.00
ATOM H	1482	HB2	ALA	X	97	0.369	-2.906	-15.133	1.00	0.00
ATOM H	1483	HB3	ALA	X	97	0.911	-4.343	-16.259	1.00	0.00
ATOM C	1484	C	ALA	X	97	-0.033	-5.000	-13.358	1.00	0.00
ATOM O	1485	O	ALA	X	97	-0.399	-6.131	-13.458	1.00	0.00
ATOM N	1486	N	SER	X	98	-0.683	-4.073	-12.637	1.00	0.00
ATOM H	1487	HN	SER	X	98	-0.352	-3.141	-12.505	1.00	0.00
ATOM C	1488	CA	SER	X	98	-1.845	-4.355	-11.875	1.00	0.00
ATOM H	1489	HA	SER	X	98	-2.322	-5.284	-12.149	1.00	0.00
ATOM C	1490	CB	SER	X	98	-1.638	-4.389	-10.305	1.00	0.00
ATOM H	1491	HB1	SER	X	98	-1.257	-5.417	-10.121	1.00	0.00
ATOM H	1492	HB2	SER	X	98	-2.615	-4.200	-9.810	1.00	0.00
ATOM O	1493	OG	SER	X	98	-0.727	-3.387	-9.832	1.00	0.00
ATOM H	1494	HG1	SER	X	98	0.129	-3.557	-10.233	1.00	0.00
ATOM C	1495	C	SER	X	98	-2.971	-3.314	-12.086	1.00	0.00
ATOM O	1496	O	SER	X	98	-2.821	-2.166	-12.517	1.00	0.00
ATOM N	1497	N	SER	X	99	-4.198	-3.780	-11.893	1.00	0.00
ATOM H	1498	HN	SER	X	99	-4.444	-4.745	-11.929	1.00	0.00
ATOM C	1499	CA	SER	X	99	-5.344	-2.743	-12.104	1.00	0.00
ATOM H	1500	HA	SER	X	99	-4.962	-1.818	-11.697	1.00	0.00

ATOM C	1501	CB	SER	X	99	-5.841	-2.367	-13.498	1.00	0.00
ATOM H	1502	HB1	SER	X	99	-5.031	-1.995	-14.161	1.00	0.00
ATOM H	1503	HB2	SER	X	99	-6.630	-1.608	-13.314	1.00	0.00
ATOM O	1504	OG	SER	X	99	-6.461	-3.448	-14.253	1.00	0.00
ATOM H	1505	HG1	SER	X	99	-5.716	-3.930	-14.620	1.00	0.00
ATOM C	1506	C	SER	X	99	-6.526	-3.055	-11.182	1.00	0.00
ATOM O	1507	O	SER	X	99	-6.820	-4.224	-11.049	1.00	0.00
ATOM N	1508	N	SER	X	100	-7.304	-2.039	-10.685	1.00	0.00
ATOM H	1509	HN	SER	X	100	-7.070	-1.084	-10.854	1.00	0.00
ATOM C	1510	CA	SER	X	100	-8.544	-2.355	-9.936	1.00	0.00
ATOM H	1511	HA	SER	X	100	-8.563	-3.378	-9.593	1.00	0.00
ATOM C	1512	CB	SER	X	100	-8.619	-1.318	-8.849	1.00	0.00
ATOM H	1513	HB1	SER	X	100	-8.824	-0.285	-9.202	1.00	0.00
ATOM H	1514	HB2	SER	X	100	-7.615	-1.415	-8.384	1.00	0.00
ATOM O	1515	OG	SER	X	100	-9.718	-1.596	-7.959	1.00	0.00
ATOM H	1516	HG1	SER	X	100	-9.407	-2.160	-7.247	1.00	0.00
ATOM C	1517	C	SER	X	100	-9.807	-2.154	-10.850	1.00	0.00
ATOM O	1518	O	SER	X	100	-9.927	-1.174	-11.603	1.00	0.00
ATOM N	1519	N	GLY	X	101	-10.710	-3.097	-10.927	1.00	0.00
ATOM H	1520	HN	GLY	X	101	-10.714	-3.851	-10.275	1.00	0.00
ATOM C	1521	CA	GLY	X	101	-11.838	-3.087	-11.945	1.00	0.00
ATOM H	1522	HA1	GLY	X	101	-12.447	-2.213	-11.766	1.00	0.00
ATOM H	1523	HA2	GLY	X	101	-12.392	-4.014	-11.929	1.00	0.00
ATOM C	1524	C	GLY	X	101	-11.527	-2.911	-13.303	1.00	0.00
ATOM O	1525	O	GLY	X	101	-12.208	-2.248	-14.094	1.00	0.00

ATOM N	1526	N	TYR X 102	-10.425	-3.509	-13.707	1.00	0.00
ATOM H	1527	HN	TYR X 102	-9.824	-3.910	-13.021	1.00	0.00
ATOM C	1528	CA	TYR X 102	-9.882	-3.413	-15.086	1.00	0.00
ATOM H	1529	HA	TYR X 102	-8.975	-3.997	-15.032	1.00	0.00
ATOM C	1530	CB	TYR X 102	-10.996	-3.835	-16.109	1.00	0.00
ATOM H	1531	HB1	TYR X 102	-10.529	-3.867	-17.117	1.00	0.00
ATOM H	1532	HB2	TYR X 102	-11.924	-3.260	-16.317	1.00	0.00
ATOM C	1533	CG	TYR X 102	-11.324	-5.430	-15.886	1.00	0.00
ATOM C	1534	CD1	TYR X 102	-12.676	-5.768	-15.932	1.00	0.00
ATOM H	1535	HD1	TYR X 102	-13.454	-5.022	-16.001	1.00	0.00
ATOM C	1536	CE1	TYR X 102	-13.113	-7.134	-15.905	1.00	0.00
ATOM H	1537	HE1	TYR X 102	-14.162	-7.368	-16.012	1.00	0.00
ATOM C	1538	CZ	TYR X 102	-12.070	-8.124	-15.988	1.00	0.00
ATOM O	1539	OH	TYR X 102	-12.244	-9.519	-16.085	1.00	0.00
ATOM H	1540	HH	TYR X 102	-13.182	-9.722	-16.124	1.00	0.00
ATOM C	1541	CD2	TYR X 102	-10.329	-6.389	-15.846	1.00	0.00
ATOM H	1542	HD2	TYR X 102	-9.295	-6.095	-15.738	1.00	0.00
ATOM C	1543	CE2	TYR X 102	-10.730	-7.714	-15.968	1.00	0.00
ATOM H	1544	HE2	TYR X 102	-9.954	-8.462	-16.037	1.00	0.00
ATOM C	1545	C	TYR X 102	-9.319	-2.077	-15.611	1.00	0.00
ATOM O	1546	O	TYR X 102	-9.019	-1.898	-16.767	1.00	0.00
ATOM N	1547	N	LEU X 103	-9.132	-1.089	-14.744	1.00	0.00
ATOM H	1548	HN	LEU X 103	-9.233	-1.208	-13.760	1.00	0.00
ATOM C	1549	CA	LEU X 103	-8.956	0.323	-15.125	1.00	0.00
ATOM H	1550	HA	LEU X 103	-9.095	0.452	-16.189	1.00	0.00

ATOM C	1551	CB	LEU X 103	-10.011	1.128	-14.343	1.00	0.00
ATOM H	1552	HB1	LEU X 103	-9.775	0.981	-13.267	1.00	0.00
ATOM H	1553	HB2	LEU X 103	-11.039	0.766	-14.558	1.00	0.00
ATOM C	1554	CG	LEU X 103	-9.960	2.664	-14.503	1.00	0.00
ATOM H	1555	HG	LEU X 103	-8.918	3.013	-14.335	1.00	0.00
ATOM C	1556	CD1	LEU X 103	-10.642	3.179	-15.843	1.00	0.00
ATOM H	1557	HD11	LEU X 103	-11.689	2.809	-15.872	1.00	0.00
ATOM H	1558	HD12	LEU X 103	-10.083	2.655	-16.648	1.00	0.00
ATOM H	1559	HD13	LEU X 103	-10.537	4.254	-16.102	1.00	0.00
ATOM C	1560	CD2	LEU X 103	-10.796	3.321	-13.386	1.00	0.00
ATOM H	1561	HD21	LEU X 103	-11.077	4.339	-13.732	1.00	0.00
ATOM H	1562	HD22	LEU X 103	-10.249	3.379	-12.421	1.00	0.00
ATOM H	1563	HD23	LEU X 103	-11.783	2.843	-13.210	1.00	0.00
ATOM C	1564	C	LEU X 103	-7.662	0.866	-14.773	1.00	0.00
ATOM O	1565	O	LEU X 103	-7.262	0.893	-13.614	1.00	0.00
ATOM N	1566	N	PHE X 104	-6.932	1.319	-15.788	1.00	0.00
ATOM H	1567	HN	PHE X 104	-7.180	1.260	-16.752	1.00	0.00
ATOM C	1568	CA	PHE X 104	-5.671	2.052	-15.655	1.00	0.00
ATOM H	1569	HA	PHE X 104	-4.849	1.510	-15.211	1.00	0.00
ATOM C	1570	CB	PHE X 104	-5.318	2.346	-17.174	1.00	0.00
ATOM H	1571	HB1	PHE X 104	-6.134	3.059	-17.421	1.00	0.00
ATOM H	1572	HB2	PHE X 104	-5.401	1.491	-17.879	1.00	0.00
ATOM C	1573	CG	PHE X 104	-4.005	3.129	-17.293	1.00	0.00
ATOM C	1574	CD1	PHE X 104	-3.898	4.551	-17.248	1.00	0.00
ATOM H	1575	HD1	PHE X 104	-4.833	5.089	-17.295	1.00	0.00

ATOM N	1626	N	TYR X 108	3.275	3.108	-9.842	1.00	0.00
ATOM H	1627	HN	TYR X 108	2.414	2.650	-9.634	1.00	0.00
ATOM C	1628	CA	TYR X 108	4.392	2.640	-8.944	1.00	0.00
ATOM H	1629	HA	TYR X 108	5.135	3.423	-8.997	1.00	0.00
ATOM C	1630	CB	TYR X 108	4.012	2.487	-7.461	1.00	0.00
ATOM H	1631	HB1	TYR X 108	3.283	1.650	-7.412	1.00	0.00
ATOM H	1632	HB2	TYR X 108	3.546	3.375	-6.982	1.00	0.00
ATOM C	1633	CG	TYR X 108	5.072	2.099	-6.469	1.00	0.00
ATOM C	1634	CD1	TYR X 108	4.634	1.334	-5.286	1.00	0.00
ATOM H	1635	HD1	TYR X 108	3.572	1.192	-5.146	1.00	0.00
ATOM C	1636	CE1	TYR X 108	5.518	1.053	-4.240	1.00	0.00
ATOM H	1637	HE1	TYR X 108	5.185	0.480	-3.388	1.00	0.00
ATOM C	1638	CZ	TYR X 108	6.868	1.306	-4.442	1.00	0.00
ATOM O	1639	OH	TYR X 108	7.800	0.812	-3.464	1.00	0.00
ATOM H	1640	HH	TYR X 108	7.351	0.323	-2.770	1.00	0.00
ATOM C	1641	CD2	TYR X 108	6.442	2.458	-6.544	1.00	0.00
ATOM H	1642	HD2	TYR X 108	6.850	2.983	-7.395	1.00	0.00
ATOM C	1643	CE2	TYR X 108	7.299	2.076	-5.521	1.00	0.00
ATOM H	1644	HE2	TYR X 108	8.368	2.218	-5.593	1.00	0.00
ATOM C	1645	C	TYR X 108	5.076	1.413	-9.540	1.00	0.00
ATOM O	1646	O	TYR X 108	4.778	0.299	-9.062	1.00	0.00
ATOM N	1647	N	TRP X 109	5.899	1.629	-10.541	1.00	0.00
ATOM H	1648	HN	TRP X 109	5.955	2.546	-10.929	1.00	0.00
ATOM C	1649	CA	TRP X 109	6.558	0.584	-11.278	1.00	0.00
ATOM H	1650	HA	TRP X 109	5.776	-0.135	-11.475	1.00	0.00

ATOM C	1676	C	GLY X 110	9.998	-2.039	-10.493	1.00	0.00
ATOM O	1677	O	GLY X 110	10.242	-1.243	-11.349	1.00	0.00
ATOM N	1678	N	GLN X 111	10.956	-2.850	-9.942	1.00	0.00
ATOM H	1679	HN	GLN X 111	10.784	-3.606	-9.316	1.00	0.00
ATOM C	1680	CA	GLN X 111	12.337	-2.787	-10.350	1.00	0.00
ATOM H	1681	HA	GLN X 111	12.669	-1.772	-10.189	1.00	0.00
ATOM C	1682	CB	GLN X 111	13.340	-3.607	-9.457	1.00	0.00
ATOM H	1683	HB1	GLN X 111	14.353	-3.588	-9.914	1.00	0.00
ATOM H	1684	HB2	GLN X 111	13.002	-4.665	-9.484	1.00	0.00
ATOM C	1685	CG	GLN X 111	13.436	-3.216	-7.961	1.00	0.00
ATOM H	1686	HG1	GLN X 111	14.310	-3.754	-7.534	1.00	0.00
ATOM H	1687	HG2	GLN X 111	12.519	-3.644	-7.503	1.00	0.00
ATOM C	1688	CD	GLN X 111	13.629	-1.697	-7.784	1.00	0.00
ATOM O	1689	OE1	GLN X 111	14.773	-1.221	-7.874	1.00	0.00
ATOM N	1690	NE2	GLN X 111	12.565	-0.964	-7.470	1.00	0.00
ATOM H	1691	HE21	GLN X 111	12.530	0.002	-7.725	1.00	0.00
ATOM H	1692	HE22	GLN X 111	11.731	-1.488	-7.296	1.00	0.00
ATOM C	1693	C	GLN X 111	12.588	-3.092	-11.846	1.00	0.00
ATOM O	1694	O	GLN X 111	13.344	-2.373	-12.553	1.00	0.00
ATOM N	1695	N	GLY X 112	11.930	-4.102	-12.349	1.00	0.00
ATOM H	1696	HN	GLY X 112	11.257	-4.525	-11.746	1.00	0.00
ATOM C	1697	CA	GLY X 112	12.082	-4.505	-13.820	1.00	0.00
ATOM H	1698	HA1	GLY X 112	12.374	-3.665	-14.433	1.00	0.00
ATOM H	1699	HA2	GLY X 112	11.087	-4.870	-14.029	1.00	0.00
ATOM C	1700	C	GLY X 112	13.069	-5.593	-14.092	1.00	0.00

ATOM O	1701	O	GLY X 112	14.182	-5.688	-13.534	1.00	0.00
ATOM N	1702	N	THR X 113	12.733	-6.478	-15.017	1.00	0.00
ATOM H	1703	HN	THR X 113	11.862	-6.481	-15.502	1.00	0.00
ATOM C	1704	CA	THR X 113	13.655	-7.610	-15.133	1.00	0.00
ATOM H	1705	HA	THR X 113	14.660	-7.425	-14.784	1.00	0.00
ATOM C	1706	CB	THR X 113	13.008	-8.892	-14.670	1.00	0.00
ATOM H	1707	HB	THR X 113	12.031	-9.035	-15.179	1.00	0.00
ATOM O	1708	OG1	THR X 113	12.931	-9.027	-13.295	1.00	0.00
ATOM H	1709	HG1	THR X 113	12.157	-8.568	-12.962	1.00	0.00
ATOM C	1710	CG2	THR X 113	13.815	-10.106	-15.098	1.00	0.00
ATOM H	1711	HG21	THR X 113	13.267	-11.007	-14.749	1.00	0.00
ATOM H	1712	HG22	THR X 113	14.836	-10.190	-14.669	1.00	0.00
ATOM H	1713	HG23	THR X 113	14.031	-10.265	-16.176	1.00	0.00
ATOM C	1714	C	THR X 113	13.866	-7.781	-16.626	1.00	0.00
ATOM O	1715	O	THR X 113	12.918	-7.748	-17.427	1.00	0.00
ATOM N	1716	N	LEU X 114	15.163	-7.813	-17.061	1.00	0.00
ATOM H	1717	HN	LEU X 114	15.926	-7.805	-16.419	1.00	0.00
ATOM C	1718	CA	LEU X 114	15.617	-8.025	-18.436	1.00	0.00
ATOM H	1719	HA	LEU X 114	14.809	-7.635	-19.038	1.00	0.00
ATOM C	1720	CB	LEU X 114	17.028	-7.424	-18.605	1.00	0.00
ATOM H	1721	HB1	LEU X 114	17.729	-7.914	-17.897	1.00	0.00
ATOM H	1722	HB2	LEU X 114	17.042	-6.345	-18.341	1.00	0.00
ATOM C	1723	CG	LEU X 114	17.748	-7.509	-19.931	1.00	0.00
ATOM H	1724	HG	LEU X 114	17.932	-8.541	-20.298	1.00	0.00
ATOM C	1725	CD1	LEU X 114	17.189	-6.657	-21.075	1.00	0.00

ATOM N	1751	N	THR X 116	16.997	-11.915	-21.816	1.00	0.00
ATOM H	1752	HN	THR X 116	17.218	-12.696	-21.237	1.00	0.00
ATOM C	1753	CA	THR X 116	17.876	-11.628	-22.891	1.00	0.00
ATOM H	1754	HA	THR X 116	17.348	-11.055	-23.639	1.00	0.00
ATOM C	1755	CB	THR X 116	19.052	-10.808	-22.464	1.00	0.00
ATOM H	1756	HB	THR X 116	18.678	-9.816	-22.133	1.00	0.00
ATOM O	1757	OG1	THR X 116	19.946	-10.468	-23.499	1.00	0.00
ATOM H	1758	HG1	THR X 116	19.421	-9.916	-24.083	1.00	0.00
ATOM C	1759	CG2	THR X 116	19.921	-11.505	-21.375	1.00	0.00
ATOM H	1760	HG21	THR X 116	20.675	-10.848	-20.891	1.00	0.00
ATOM H	1761	HG22	THR X 116	20.461	-12.423	-21.691	1.00	0.00
ATOM H	1762	HG23	THR X 116	19.343	-11.824	-20.482	1.00	0.00
ATOM C	1763	C	THR X 116	18.140	-12.895	-23.666	1.00	0.00
ATOM O	1764	O	THR X 116	18.379	-13.988	-23.151	1.00	0.00
ATOM N	1765	N	VAL X 117	17.933	-12.891	-25.038	1.00	0.00
ATOM H	1766	HN	VAL X 117	17.777	-12.061	-25.568	1.00	0.00
ATOM C	1767	CA	VAL X 117	18.049	-14.126	-25.821	1.00	0.00
ATOM H	1768	HA	VAL X 117	18.031	-14.990	-25.174	1.00	0.00
ATOM C	1769	CB	VAL X 117	16.958	-14.279	-26.845	1.00	0.00
ATOM H	1770	HB	VAL X 117	16.944	-13.476	-27.613	1.00	0.00
ATOM C	1771	CG1	VAL X 117	17.346	-15.611	-27.586	1.00	0.00
ATOM H	1772	HG11	VAL X 117	16.615	-15.925	-28.361	1.00	0.00
ATOM H	1773	HG12	VAL X 117	17.419	-16.520	-26.951	1.00	0.00
ATOM H	1774	HG13	VAL X 117	18.214	-15.456	-28.261	1.00	0.00
ATOM C	1775	CG2	VAL X 117	15.566	-14.390	-26.116	1.00	0.00

ATOM H	1776	HG21	VAL X 117	15.607	-15.342	-25.545	1.00	0.00
ATOM H	1777	HG22	VAL X 117	14.763	-14.394	-26.884	1.00	0.00
ATOM H	1778	HG23	VAL X 117	15.357	-13.482	-25.511	1.00	0.00
ATOM C	1779	C	VAL X 117	19.464	-14.184	-26.502	1.00	0.00
ATOM O	1780	O	VAL X 117	19.714	-13.306	-27.297	1.00	0.00
ATOM N	1781	N	SER X 118	20.240	-15.213	-26.152	1.00	0.00
ATOM H	1782	HN	SER X 118	20.037	-15.799	-25.372	1.00	0.00
ATOM C	1783	CA	SER X 118	21.613	-15.291	-26.673	1.00	0.00
ATOM H	1784	HA	SER X 118	21.696	-16.368	-26.662	1.00	0.00
ATOM C	1785	CB	SER X 118	22.011	-14.750	-28.112	1.00	0.00
ATOM H	1786	HB1	SER X 118	21.924	-13.642	-28.129	1.00	0.00
ATOM H	1787	HB2	SER X 118	21.220	-15.104	-28.807	1.00	0.00
ATOM O	1788	OG	SER X 118	23.229	-15.342	-28.624	1.00	0.00
ATOM H	1789	HG1	SER X 118	23.431	-14.793	-29.385	1.00	0.00
ATOM C	1790	C	SER X 118	22.644	-14.870	-25.590	1.00	0.00
ATOM O	1791	O	SER X 118	22.323	-14.064	-24.698	1.00	0.00
ATOM N	1792	N	SER X 119	23.857	-15.433	-25.674	1.00	0.00
ATOM H	1793	HN	SER X 119	23.956	-16.086	-26.421	1.00	0.00
ATOM C	1794	CA	SER X 119	24.995	-15.003	-24.836	1.00	0.00
ATOM H	1795	HA	SER X 119	24.702	-14.996	-23.796	1.00	0.00
ATOM C	1796	CB	SER X 119	26.247	-15.950	-25.126	1.00	0.00
ATOM H	1797	HB1	SER X 119	26.105	-17.052	-25.166	1.00	0.00
ATOM H	1798	HB2	SER X 119	26.995	-15.627	-24.371	1.00	0.00
ATOM O	1799	OG	SER X 119	26.889	-15.734	-26.364	1.00	0.00
ATOM H	1800	HG1	SER X 119	27.532	-16.443	-26.447	1.00	0.00

ATOM H	1851	HG2	GLN	X	122	-3.725	1.365	-36.566	1.00	0.00
ATOM C	1852	CD	GLN	X	122	-2.214	0.697	-37.857	1.00	0.00
ATOM O	1853	OE1	GLN	X	122	-1.379	0.993	-38.727	1.00	0.00
ATOM N	1854	NE2	GLN	X	122	-2.744	-0.534	-37.766	1.00	0.00
ATOM H	1855	HE21	GLN	X	122	-3.189	-0.703	-36.887	1.00	0.00
ATOM H	1856	HE22	GLN	X	122	-2.343	-1.236	-38.355	1.00	0.00
ATOM C	1857	C	GLN	X	122	-2.490	3.505	-34.058	1.00	0.00
ATOM O	1858	O	GLN	X	122	-3.214	4.228	-34.708	1.00	0.00
ATOM N	1859	N	MET	X	123	-1.555	4.050	-33.310	1.00	0.00
ATOM H	1860	HN	MET	X	123	-0.861	3.505	-32.847	1.00	0.00
ATOM C	1861	CA	MET	X	123	-1.427	5.411	-32.849	1.00	0.00
ATOM H	1862	HA	MET	X	123	-2.188	5.983	-33.358	1.00	0.00
ATOM C	1863	CB	MET	X	123	-1.715	5.645	-31.375	1.00	0.00
ATOM H	1864	HB1	MET	X	123	-1.564	6.740	-31.265	1.00	0.00
ATOM H	1865	HB2	MET	X	123	-1.005	5.061	-30.751	1.00	0.00
ATOM C	1866	CG	MET	X	123	-3.012	5.154	-31.036	1.00	0.00
ATOM H	1867	HG1	MET	X	123	-2.896	4.066	-30.843	1.00	0.00
ATOM H	1868	HG2	MET	X	123	-3.802	5.175	-31.817	1.00	0.00
ATOM S	1869	SD	MET	X	123	-3.737	6.167	-29.738	1.00	0.00
ATOM C	1870	CE	MET	X	123	-2.643	5.870	-28.388	1.00	0.00
ATOM H	1871	HE1	MET	X	123	-2.985	4.850	-28.111	1.00	0.00
ATOM H	1872	HE2	MET	X	123	-2.801	6.520	-27.502	1.00	0.00
ATOM H	1873	HE3	MET	X	123	-1.557	5.840	-28.620	1.00	0.00
ATOM C	1874	C	MET	X	123	-0.169	6.060	-33.283	1.00	0.00
ATOM O	1875	O	MET	X	123	0.928	5.581	-33.166	1.00	0.00

ATOM O	1901	OE1	GLN	X	125	3.343	8.489	-28.441	1.00	0.00
ATOM N	1902	NE2	GLN	X	125	4.254	10.646	-28.423	1.00	0.00
ATOM H	1903	HE21	GLN	X	125	4.721	10.508	-27.550	1.00	0.00
ATOM H	1904	HE22	GLN	X	125	4.644	11.278	-29.094	1.00	0.00
ATOM C	1905	C	GLN	X	125	3.677	11.656	-33.498	1.00	0.00
ATOM O	1906	O	GLN	X	125	4.471	11.226	-34.323	1.00	0.00
ATOM N	1907	N	SER	X	126	3.417	13.031	-33.322	1.00	0.00
ATOM H	1908	HN	SER	X	126	2.743	13.326	-32.649	1.00	0.00
ATOM C	1909	CA	SER	X	126	4.014	14.149	-34.107	1.00	0.00
ATOM H	1910	HA	SER	X	126	4.882	13.716	-34.582	1.00	0.00
ATOM C	1911	CB	SER	X	126	2.967	14.610	-35.168	1.00	0.00
ATOM H	1912	HB1	SER	X	126	2.168	15.154	-34.621	1.00	0.00
ATOM H	1913	HB2	SER	X	126	2.709	13.739	-35.808	1.00	0.00
ATOM O	1914	OG	SER	X	126	3.595	15.533	-36.017	1.00	0.00
ATOM H	1915	HG1	SER	X	126	3.074	16.328	-36.148	1.00	0.00
ATOM C	1916	C	SER	X	126	4.341	15.325	-33.226	1.00	0.00
ATOM O	1917	O	SER	X	126	3.624	15.519	-32.232	1.00	0.00
ATOM N	1918	N	PRO	X	127	5.431	16.063	-33.418	1.00	0.00
ATOM C	1919	CD	PRO	X	127	5.648	17.299	-32.673	1.00	0.00
ATOM H	1920	HD1	PRO	X	127	5.303	17.246	-31.618	1.00	0.00
ATOM H	1921	HD2	PRO	X	127	5.227	18.220	-33.130	1.00	0.00
ATOM C	1922	CA	PRO	X	127	6.626	15.599	-34.185	1.00	0.00
ATOM H	1923	HA	PRO	X	127	6.155	15.383	-35.132	1.00	0.00
ATOM C	1924	CB	PRO	X	127	7.605	16.823	-34.070	1.00	0.00
ATOM H	1925	HB1	PRO	X	127	7.365	17.470	-34.941	1.00	0.00

ATOM H	1926	HB2	PRO	X	127	8.699	16.628	-34.087	1.00	0.00
ATOM C	1927	CG	PRO	X	127	7.173	17.618	-32.769	1.00	0.00
ATOM H	1928	HG1	PRO	X	127	7.626	17.097	-31.899	1.00	0.00
ATOM H	1929	HG2	PRO	X	127	7.315	18.717	-32.696	1.00	0.00
ATOM C	1930	C	PRO	X	127	7.292	14.332	-33.659	1.00	0.00
ATOM O	1931	O	PRO	X	127	7.148	13.841	-32.533	1.00	0.00
ATOM N	1932	N	SER	X	128	8.054	13.719	-34.535	1.00	0.00
ATOM H	1933	HN	SER	X	128	8.270	13.983	-35.472	1.00	0.00
ATOM C	1934	CA	SER	X	128	8.761	12.454	-34.100	1.00	0.00
ATOM H	1935	HA	SER	X	128	8.011	11.861	-33.598	1.00	0.00
ATOM C	1936	CB	SER	X	128	9.282	11.593	-35.288	1.00	0.00
ATOM H	1937	HB1	SER	X	128	9.917	12.336	-35.818	1.00	0.00
ATOM H	1938	HB2	SER	X	128	8.484	11.327	-36.014	1.00	0.00
ATOM O	1939	OG	SER	X	128	9.956	10.396	-34.894	1.00	0.00
ATOM H	1940	HG1	SER	X	128	10.503	10.139	-35.640	1.00	0.00
ATOM C	1941	C	SER	X	128	9.892	12.780	-33.128	1.00	0.00
ATOM O	1942	O	SER	X	128	10.129	12.127	-32.153	1.00	0.00
ATOM N	1943	N	THR	X	129	10.665	13.805	-33.529	1.00	0.00
ATOM H	1944	HN	THR	X	129	10.322	14.327	-34.306	1.00	0.00
ATOM C	1945	CA	THR	X	129	11.796	14.244	-32.745	1.00	0.00
ATOM H	1946	HA	THR	X	129	11.565	14.001	-31.718	1.00	0.00
ATOM C	1947	CB	THR	X	129	13.146	13.556	-32.982	1.00	0.00
ATOM H	1948	HB	THR	X	129	13.040	12.495	-32.671	1.00	0.00
ATOM O	1949	OG1	THR	X	129	14.193	14.079	-32.150	1.00	0.00
ATOM H	1950	HG1	THR	X	129	14.974	13.561	-32.357	1.00	0.00

ATOM C	1951	CG2	THR	X	129	13.568	13.731	-34.499	1.00	0.00
ATOM H	1952	HG21	THR	X	129	12.746	13.244	-35.066	1.00	0.00
ATOM H	1953	HG22	THR	X	129	14.539	13.207	-34.631	1.00	0.00
ATOM H	1954	HG23	THR	X	129	13.753	14.767	-34.856	1.00	0.00
ATOM C	1955	C	THR	X	129	11.897	15.794	-32.892	1.00	0.00
ATOM O	1956	O	THR	X	129	11.604	16.374	-33.906	1.00	0.00
ATOM N	1957	N	LEU	X	130	12.202	16.443	-31.806	1.00	0.00
ATOM H	1958	HN	LEU	X	130	12.418	15.868	-31.021	1.00	0.00
ATOM C	1959	CA	LEU	X	130	12.306	17.867	-31.685	1.00	0.00
ATOM H	1960	HA	LEU	X	130	12.303	18.347	-32.653	1.00	0.00
ATOM C	1961	CB	LEU	X	130	11.100	18.344	-30.846	1.00	0.00
ATOM H	1962	HB1	LEU	X	130	11.086	18.052	-29.774	1.00	0.00
ATOM H	1963	HB2	LEU	X	130	10.193	17.965	-31.362	1.00	0.00
ATOM C	1964	CG	LEU	X	130	11.041	19.855	-30.757	1.00	0.00
ATOM H	1965	HG	LEU	X	130	11.880	20.237	-30.136	1.00	0.00
ATOM C	1966	CD1	LEU	X	130	10.953	20.522	-32.141	1.00	0.00
ATOM H	1967	HD11	LEU	X	130	10.026	20.219	-32.673	1.00	0.00
ATOM H	1968	HD12	LEU	X	130	11.845	20.272	-32.755	1.00	0.00
ATOM H	1969	HD13	LEU	X	130	10.937	21.629	-32.052	1.00	0.00
ATOM C	1970	CD2	LEU	X	130	9.711	20.129	-29.900	1.00	0.00
ATOM H	1971	HD21	LEU	X	130	9.857	19.582	-28.944	1.00	0.00
ATOM H	1972	HD22	LEU	X	130	8.869	19.728	-30.505	1.00	0.00
ATOM H	1973	HD23	LEU	X	130	9.625	21.224	-29.731	1.00	0.00
ATOM C	1974	C	LEU	X	130	13.640	18.287	-31.035	1.00	0.00
ATOM O	1975	O	LEU	X	130	14.003	17.678	-30.005	1.00	0.00

ATOM N	1976	N	SER X 131	14.403	19.215	-31.621	1.00	0.00
ATOM H	1977	HN	SER X 131	14.172	19.624	-32.500	1.00	0.00
ATOM C	1978	CA	SER X 131	15.628	19.647	-30.962	1.00	0.00
ATOM H	1979	HA	SER X 131	15.912	18.868	-30.270	1.00	0.00
ATOM C	1980	CB	SER X 131	16.689	19.782	-31.968	1.00	0.00
ATOM H	1981	HB1	SER X 131	16.606	20.700	-32.588	1.00	0.00
ATOM H	1982	HB2	SER X 131	16.684	18.873	-32.606	1.00	0.00
ATOM O	1983	OG	SER X 131	17.951	19.765	-31.373	1.00	0.00
ATOM H	1984	HG1	SER X 131	18.206	18.852	-31.524	1.00	0.00
ATOM C	1985	C	SER X 131	15.227	20.920	-30.289	1.00	0.00
ATOM O	1986	O	SER X 131	14.891	21.899	-30.903	1.00	0.00
ATOM N	1987	N	ALA X 132	15.204	20.983	-28.928	1.00	0.00
ATOM H	1988	HN	ALA X 132	15.524	20.310	-28.265	1.00	0.00
ATOM C	1989	CA	ALA X 132	14.643	22.141	-28.172	1.00	0.00
ATOM H	1990	HA	ALA X 132	14.801	22.983	-28.829	1.00	0.00
ATOM C	1991	CB	ALA X 132	13.160	21.961	-27.860	1.00	0.00
ATOM H	1992	HB1	ALA X 132	12.746	22.988	-27.776	1.00	0.00
ATOM H	1993	HB2	ALA X 132	12.795	21.271	-27.070	1.00	0.00
ATOM H	1994	HB3	ALA X 132	12.558	21.512	-28.679	1.00	0.00
ATOM C	1995	C	ALA X 132	15.578	22.559	-27.046	1.00	0.00
ATOM O	1996	O	ALA X 132	16.572	21.934	-26.678	1.00	0.00
ATOM N	1997	N	SER X 133	15.194	23.693	-26.468	1.00	0.00
ATOM H	1998	HN	SER X 133	14.403	24.198	-26.804	1.00	0.00
ATOM C	1999	CA	SER X 133	16.076	24.464	-25.589	1.00	0.00
ATOM H	2000	HA	SER X 133	16.842	23.844	-25.148	1.00	0.00

ATOM C	2001	CB	SER X 133	16.659	25.563	-26.512	1.00	0.00
ATOM H	2002	HB1	SER X 133	15.816	26.139	-26.949	1.00	0.00
ATOM H	2003	HB2	SER X 133	17.170	25.133	-27.400	1.00	0.00
ATOM O	2004	OG	SER X 133	17.600	26.420	-25.891	1.00	0.00
ATOM H	2005	HG1	SER X 133	17.989	26.959	-26.584	1.00	0.00
ATOM C	2006	C	SER X 133	15.234	24.892	-24.381	1.00	0.00
ATOM O	2007	O	SER X 133	14.001	24.922	-24.468	1.00	0.00
ATOM N	2008	N	VAL X 134	16.048	25.305	-23.329	1.00	0.00
ATOM H	2009	HN	VAL X 134	17.040	25.222	-23.262	1.00	0.00
ATOM C	2010	CA	VAL X 134	15.481	26.052	-22.122	1.00	0.00
ATOM H	2011	HA	VAL X 134	14.792	25.429	-21.571	1.00	0.00
ATOM C	2012	CB	VAL X 134	16.568	26.415	-21.127	1.00	0.00
ATOM H	2013	HB	VAL X 134	17.143	27.243	-21.592	1.00	0.00
ATOM C	2014	CG1	VAL X 134	15.924	26.974	-19.793	1.00	0.00
ATOM H	2015	HG11	VAL X 134	15.385	26.132	-19.308	1.00	0.00
ATOM H	2016	HG12	VAL X 134	15.144	27.743	-19.984	1.00	0.00
ATOM H	2017	HG13	VAL X 134	16.701	27.215	-19.037	1.00	0.00
ATOM C	2018	CG2	VAL X 134	17.393	25.179	-20.826	1.00	0.00
ATOM H	2019	HG21	VAL X 134	16.652	24.516	-20.330	1.00	0.00
ATOM H	2020	HG22	VAL X 134	18.180	25.366	-20.064	1.00	0.00
ATOM H	2021	HG23	VAL X 134	17.954	24.777	-21.696	1.00	0.00
ATOM C	2022	C	VAL X 134	14.790	27.308	-22.605	1.00	0.00
ATOM O	2023	O	VAL X 134	15.374	28.213	-23.197	1.00	0.00
ATOM N	2024	N	GLY X 135	13.460	27.375	-22.353	1.00	0.00
ATOM H	2025	HN	GLY X 135	13.067	26.604	-21.858	1.00	0.00

ATOM C	2026	CA	GLY X 135	12.583	28.470	-22.782	1.00	0.00
ATOM H	2027	HA1	GLY X 135	13.050	29.342	-23.217	1.00	0.00
ATOM H	2028	HA2	GLY X 135	12.055	28.900	-21.944	1.00	0.00
ATOM C	2029	C	GLY X 135	11.481	28.054	-23.845	1.00	0.00
ATOM O	2030	O	GLY X 135	10.384	28.634	-23.899	1.00	0.00
ATOM N	2031	N	ASP X 136	11.808	26.922	-24.560	1.00	0.00
ATOM H	2032	HN	ASP X 136	12.618	26.372	-24.373	1.00	0.00
ATOM C	2033	CA	ASP X 136	10.962	26.464	-25.577	1.00	0.00
ATOM H	2034	HA	ASP X 136	10.599	27.321	-26.125	1.00	0.00
ATOM C	2035	CB	ASP X 136	11.629	25.479	-26.576	1.00	0.00
ATOM H	2036	HB1	ASP X 136	10.854	25.079	-27.264	1.00	0.00
ATOM H	2037	HB2	ASP X 136	11.984	24.598	-25.999	1.00	0.00
ATOM C	2038	CG	ASP X 136	12.814	26.065	-27.328	1.00	0.00
ATOM O	2039	OD1	ASP X 136	13.112	27.286	-27.086	1.00	0.00
ATOM O	2040	OD2	ASP X 136	13.480	25.239	-28.000	1.00	0.00
ATOM C	2041	C	ASP X 136	9.603	25.871	-25.224	1.00	0.00
ATOM O	2042	O	ASP X 136	9.435	24.999	-24.442	1.00	0.00
ATOM N	2043	N	ARG X 137	8.553	26.376	-25.947	1.00	0.00
ATOM H	2044	HN	ARG X 137	8.802	27.219	-26.416	1.00	0.00
ATOM C	2045	CA	ARG X 137	7.128	25.973	-25.824	1.00	0.00
ATOM H	2046	HA	ARG X 137	6.893	25.496	-24.884	1.00	0.00
ATOM C	2047	CB	ARG X 137	6.167	27.167	-26.151	1.00	0.00
ATOM H	2048	HB1	ARG X 137	5.192	26.845	-26.575	1.00	0.00
ATOM H	2049	HB2	ARG X 137	6.655	27.735	-26.972	1.00	0.00
ATOM C	2050	CG	ARG X 137	5.851	28.093	-24.913	1.00	0.00

ATOM H	2051	HG1	ARG	X	137	5.538	27.470	-24.048	1.00	0.00
ATOM H	2052	HG2	ARG	X	137	4.936	28.672	-25.160	1.00	0.00
ATOM C	2053	CD	ARG	X	137	7.024	28.981	-24.606	1.00	0.00
ATOM H	2054	HD1	ARG	X	137	7.118	29.758	-25.393	1.00	0.00
ATOM H	2055	HD2	ARG	X	137	7.944	28.401	-24.377	1.00	0.00
ATOM N	2056	NE	ARG	X	137	6.660	29.761	-23.432	1.00	0.00
ATOM H	2057	HE	ARG	X	137	5.750	29.792	-23.018	1.00	0.00
ATOM C	2058	CZ	ARG	X	137	7.426	30.724	-22.920	1.00	0.00
ATOM N	2059	NH1	ARG	X	137	8.677	30.815	-23.188	1.00	0.00
ATOM H	2060	HH11	ARG	X	137	9.174	29.954	-23.295	1.00	0.00
ATOM H	2061	HH12	ARG	X	137	9.131	31.429	-22.543	1.00	0.00
ATOM N	2062	NH2	ARG	X	137	6.871	31.615	-22.179	1.00	0.00
ATOM H	2063	HH21	ARG	X	137	5.918	31.423	-21.944	1.00	0.00
ATOM H	2064	HH22	ARG	X	137	7.254	32.492	-21.889	1.00	0.00
ATOM C	2065	C	ARG	X	137	6.854	24.863	-26.805	1.00	0.00
ATOM O	2066	O	ARG	X	137	6.762	25.000	-28.016	1.00	0.00
ATOM N	2067	N	VAL	X	138	6.665	23.739	-26.249	1.00	0.00
ATOM H	2068	HN	VAL	X	138	6.603	23.633	-25.259	1.00	0.00
ATOM C	2069	CA	VAL	X	138	6.597	22.439	-26.964	1.00	0.00
ATOM H	2070	HA	VAL	X	138	6.747	22.501	-28.032	1.00	0.00
ATOM C	2071	CB	VAL	X	138	7.489	21.448	-26.345	1.00	0.00
ATOM H	2072	HB	VAL	X	138	7.328	21.418	-25.246	1.00	0.00
ATOM C	2073	CG1	VAL	X	138	7.452	20.031	-26.941	1.00	0.00
ATOM H	2074	HG11	VAL	X	138	8.224	19.382	-26.476	1.00	0.00
ATOM H	2075	HG12	VAL	X	138	7.449	20.040	-28.051	1.00	0.00

ATOM H	2076	HG13	VAL X 138	6.545	19.480	-26.612	1.00	0.00
ATOM C	2077	CG2	VAL X 138	8.971	21.889	-26.563	1.00	0.00
ATOM H	2078	HG21	VAL X 138	9.190	22.185	-27.611	1.00	0.00
ATOM H	2079	HG22	VAL X 138	9.657	21.061	-26.286	1.00	0.00
ATOM H	2080	HG23	VAL X 138	9.303	22.712	-25.894	1.00	0.00
ATOM C	2081	C	VAL X 138	5.272	21.866	-26.872	1.00	0.00
ATOM O	2082	O	VAL X 138	4.751	21.705	-25.811	1.00	0.00
ATOM N	2083	N	THR X 139	4.664	21.434	-28.001	1.00	0.00
ATOM H	2084	HN	THR X 139	5.045	21.569	-28.912	1.00	0.00
ATOM C	2085	CA	THR X 139	3.330	20.716	-27.955	1.00	0.00
ATOM H	2086	HA	THR X 139	3.097	20.472	-26.929	1.00	0.00
ATOM C	2087	CB	THR X 139	2.080	21.435	-28.458	1.00	0.00
ATOM H	2088	HB	THR X 139	2.293	21.999	-29.391	1.00	0.00
ATOM O	2089	OG1	THR X 139	1.730	22.349	-27.471	1.00	0.00
ATOM H	2090	HG1	THR X 139	2.335	23.078	-27.625	1.00	0.00
ATOM C	2091	CG2	THR X 139	0.826	20.505	-28.718	1.00	0.00
ATOM H	2092	HG21	THR X 139	-0.015	21.222	-28.837	1.00	0.00
ATOM H	2093	HG22	THR X 139	0.625	19.998	-27.750	1.00	0.00
ATOM H	2094	HG23	THR X 139	0.889	19.915	-29.657	1.00	0.00
ATOM C	2095	C	THR X 139	3.499	19.438	-28.805	1.00	0.00
ATOM O	2096	O	THR X 139	4.019	19.505	-29.919	1.00	0.00
ATOM N	2097	N	ILE X 140	3.148	18.282	-28.167	1.00	0.00
ATOM H	2098	HN	ILE X 140	2.798	18.304	-27.234	1.00	0.00
ATOM C	2099	CA	ILE X 140	3.340	17.019	-28.918	1.00	0.00
ATOM H	2100	HA	ILE X 140	3.682	17.244	-29.917	1.00	0.00

ATOM C	2101	CB	ILE X 140	4.111	16.117	-28.114	1.00	0.00
ATOM H	2102	HB	ILE X 140	3.585	15.917	-27.157	1.00	0.00
ATOM C	2103	CG2	ILE X 140	4.201	14.676	-28.832	1.00	0.00
ATOM H	2104	HG21	ILE X 140	4.690	14.053	-28.053	1.00	0.00
ATOM H	2105	HG22	ILE X 140	4.650	14.705	-29.848	1.00	0.00
ATOM H	2106	HG23	ILE X 140	3.176	14.251	-28.891	1.00	0.00
ATOM C	2107	CG1	ILE X 140	5.504	16.650	-27.871	1.00	0.00
ATOM H	2108	HG11	ILE X 140	5.649	17.704	-27.552	1.00	0.00
ATOM H	2109	HG12	ILE X 140	6.227	16.509	-28.702	1.00	0.00
ATOM C	2110	CD	ILE X 140	6.072	15.846	-26.575	1.00	0.00
ATOM H	2111	HD1	ILE X 140	6.244	14.768	-26.780	1.00	0.00
ATOM H	2112	HD2	ILE X 140	5.388	16.008	-25.714	1.00	0.00
ATOM H	2113	HD3	ILE X 140	7.084	16.228	-26.318	1.00	0.00
ATOM C	2114	C	ILE X 140	1.946	16.422	-29.083	1.00	0.00
ATOM O	2115	O	ILE X 140	1.097	16.453	-28.226	1.00	0.00
ATOM N	2116	N	THR X 141	1.666	15.845	-30.276	1.00	0.00
ATOM H	2117	HN	THR X 141	2.379	15.760	-30.968	1.00	0.00
ATOM C	2118	CA	THR X 141	0.360	15.569	-30.744	1.00	0.00
ATOM H	2119	HA	THR X 141	-0.391	15.741	-29.987	1.00	0.00
ATOM C	2120	CB	THR X 141	-0.054	16.374	-31.973	1.00	0.00
ATOM H	2121	HB	THR X 141	0.562	16.162	-32.873	1.00	0.00
ATOM O	2122	OG1	THR X 141	0.001	17.799	-31.809	1.00	0.00
ATOM H	2123	HG1	THR X 141	0.949	17.944	-31.781	1.00	0.00
ATOM C	2124	CG2	THR X 141	-1.575	16.117	-32.247	1.00	0.00
ATOM H	2125	HG21	THR X 141	-1.924	16.736	-33.101	1.00	0.00

ATOM O	2201	O	GLN X 146	-9.478	5.648	-32.266	1.00	0.00
ATOM N	2202	N	SER X 147	-11.631	6.229	-32.693	1.00	0.00
ATOM H	2203	HN	SER X 147	-12.437	6.162	-33.276	1.00	0.00
ATOM C	2204	CA	SER X 147	-11.870	7.176	-31.607	1.00	0.00
ATOM H	2205	HA	SER X 147	-11.112	7.937	-31.722	1.00	0.00
ATOM C	2206	CB	SER X 147	-13.229	7.936	-31.684	1.00	0.00
ATOM H	2207	HB1	SER X 147	-13.179	8.678	-30.858	1.00	0.00
ATOM H	2208	HB2	SER X 147	-14.015	7.218	-31.366	1.00	0.00
ATOM O	2209	OG	SER X 147	-13.545	8.631	-32.866	1.00	0.00
ATOM H	2210	HG1	SER X 147	-13.675	7.957	-33.537	1.00	0.00
ATOM C	2211	C	SER X 147	-11.739	6.456	-30.244	1.00	0.00
ATOM O	2212	O	SER X 147	-12.220	5.390	-29.991	1.00	0.00
ATOM N	2213	N	ILE X 148	-11.001	7.069	-29.282	1.00	0.00
ATOM H	2214	HN	ILE X 148	-10.503	7.911	-29.479	1.00	0.00
ATOM C	2215	CA	ILE X 148	-10.705	6.507	-27.973	1.00	0.00
ATOM H	2216	HA	ILE X 148	-11.188	5.559	-27.786	1.00	0.00
ATOM C	2217	CB	ILE X 148	-9.292	6.185	-27.796	1.00	0.00
ATOM H	2218	HB	ILE X 148	-8.964	5.665	-26.871	1.00	0.00
ATOM C	2219	CG2	ILE X 148	-8.875	5.095	-28.830	1.00	0.00
ATOM H	2220	HG21	ILE X 148	-7.889	4.662	-28.556	1.00	0.00
ATOM H	2221	HG22	ILE X 148	-8.695	5.585	-29.811	1.00	0.00
ATOM H	2222	HG23	ILE X 148	-9.665	4.325	-28.958	1.00	0.00
ATOM C	2223	CG1	ILE X 148	-8.484	7.471	-28.186	1.00	0.00
ATOM H	2224	HG11	ILE X 148	-8.915	8.358	-27.672	1.00	0.00
ATOM H	2225	HG12	ILE X 148	-8.426	7.681	-29.275	1.00	0.00

ATOM O	2251	OD1	ASN	X	150	-12.793	13.161	-23.648	1.00	0.00
ATOM N	2252	ND2	ASN	X	150	-12.335	14.009	-21.589	1.00	0.00
ATOM H	2253	HD21	ASN	X	150	-12.685	14.858	-21.985	1.00	0.00
ATOM H	2254	HD22	ASN	X	150	-11.685	14.138	-20.840	1.00	0.00
ATOM C	2255	C	ASN	X	150	-9.954	9.903	-22.878	1.00	0.00
ATOM O	2256	O	ASN	X	150	-9.038	10.276	-22.170	1.00	0.00
ATOM N	2257	N	TRP	X	151	-10.137	8.679	-23.307	1.00	0.00
ATOM H	2258	HN	TRP	X	151	-10.703	8.452	-24.095	1.00	0.00
ATOM C	2259	CA	TRP	X	151	-9.479	7.543	-22.736	1.00	0.00
ATOM H	2260	HA	TRP	X	151	-9.376	7.869	-21.712	1.00	0.00
ATOM C	2261	CB	TRP	X	151	-10.244	6.229	-22.778	1.00	0.00
ATOM H	2262	HB1	TRP	X	151	-9.807	5.576	-21.993	1.00	0.00
ATOM H	2263	HB2	TRP	X	151	-10.125	5.698	-23.747	1.00	0.00
ATOM C	2264	CG	TRP	X	151	-11.734	6.451	-22.501	1.00	0.00
ATOM C	2265	CD1	TRP	X	151	-12.754	5.669	-22.993	1.00	0.00
ATOM H	2266	HD1	TRP	X	151	-12.753	4.923	-23.773	1.00	0.00
ATOM N	2267	NE1	TRP	X	151	-14.026	6.118	-22.550	1.00	0.00
ATOM H	2268	HE1	TRP	X	151	-14.873	5.853	-22.956	1.00	0.00
ATOM C	2269	CE2	TRP	X	151	-13.850	7.106	-21.661	1.00	0.00
ATOM C	2270	CD2	TRP	X	151	-12.426	7.344	-21.583	1.00	0.00
ATOM C	2271	CE3	TRP	X	151	-11.971	8.220	-20.632	1.00	0.00
ATOM H	2272	HE3	TRP	X	151	-10.923	8.213	-20.370	1.00	0.00
ATOM C	2273	CZ3	TRP	X	151	-12.880	8.957	-19.880	1.00	0.00
ATOM H	2274	HZ3	TRP	X	151	-12.613	9.613	-19.064	1.00	0.00
ATOM C	2275	CZ2	TRP	X	151	-14.732	7.939	-21.028	1.00	0.00

ATOM H	2276	HZ2	TRP	X	151	-15.804	7.856	-21.130	1.00	0.00
ATOM C	2277	CH2	TRP	X	151	-14.287	8.851	-20.007	1.00	0.00
ATOM H	2278	HH2	TRP	X	151	-15.032	9.385	-19.436	1.00	0.00
ATOM C	2279	C	TRP	X	151	-8.000	7.257	-23.078	1.00	0.00
ATOM O	2280	O	TRP	X	151	-7.678	6.217	-23.620	1.00	0.00
ATOM N	2281	N	LEU	X	152	-7.010	8.188	-22.671	1.00	0.00
ATOM H	2282	HN	LEU	X	152	-7.183	8.975	-22.084	1.00	0.00
ATOM C	2283	CA	LEU	X	152	-5.626	8.022	-22.990	1.00	0.00
ATOM H	2284	HA	LEU	X	152	-5.293	7.003	-23.122	1.00	0.00
ATOM C	2285	CB	LEU	X	152	-5.458	8.800	-24.284	1.00	0.00
ATOM H	2286	HB1	LEU	X	152	-5.994	9.770	-24.200	1.00	0.00
ATOM H	2287	HB2	LEU	X	152	-5.966	8.211	-25.077	1.00	0.00
ATOM C	2288	CG	LEU	X	152	-4.000	8.964	-24.878	1.00	0.00
ATOM H	2289	HG	LEU	X	152	-3.422	8.074	-24.550	1.00	0.00
ATOM C	2290	CD1	LEU	X	152	-4.084	9.113	-26.397	1.00	0.00
ATOM H	2291	HD11	LEU	X	152	-3.124	9.504	-26.796	1.00	0.00
ATOM H	2292	HD12	LEU	X	152	-4.763	9.969	-26.599	1.00	0.00
ATOM H	2293	HD13	LEU	X	152	-4.437	8.154	-26.832	1.00	0.00
ATOM C	2294	CD2	LEU	X	152	-3.338	10.255	-24.304	1.00	0.00
ATOM H	2295	HD21	LEU	X	152	-4.025	11.113	-24.467	1.00	0.00
ATOM H	2296	HD22	LEU	X	152	-2.269	10.363	-24.587	1.00	0.00
ATOM H	2297	HD23	LEU	X	152	-3.290	10.136	-23.200	1.00	0.00
ATOM C	2298	C	LEU	X	152	-4.831	8.581	-21.834	1.00	0.00
ATOM O	2299	O	LEU	X	152	-5.316	9.497	-21.142	1.00	0.00
ATOM N	2300	N	ALA	X	153	-3.576	8.109	-21.579	1.00	0.00

ATOM H	2301	HN	ALA X 153	-3.202	7.499	-22.273	1.00	0.00
ATOM C	2302	CA	ALA X 153	-2.699	8.476	-20.566	1.00	0.00
ATOM H	2303	HA	ALA X 153	-2.999	9.385	-20.065	1.00	0.00
ATOM C	2304	CB	ALA X 153	-2.467	7.167	-19.803	1.00	0.00
ATOM H	2305	HB1	ALA X 153	-2.124	6.360	-20.485	1.00	0.00
ATOM H	2306	HB2	ALA X 153	-3.393	6.873	-19.264	1.00	0.00
ATOM H	2307	HB3	ALA X 153	-1.643	7.351	-19.081	1.00	0.00
ATOM C	2308	C	ALA X 153	-1.362	8.962	-21.241	1.00	0.00
ATOM O	2309	O	ALA X 153	-1.098	8.623	-22.434	1.00	0.00
ATOM N	2310	N	TRP X 154	-0.539	9.862	-20.622	1.00	0.00
ATOM H	2311	HN	TRP X 154	-0.961	10.084	-19.747	1.00	0.00
ATOM C	2312	CA	TRP X 154	0.759	10.318	-21.182	1.00	0.00
ATOM H	2313	HA	TRP X 154	0.960	9.764	-22.088	1.00	0.00
ATOM C	2314	CB	TRP X 154	0.811	11.768	-21.691	1.00	0.00
ATOM H	2315	HB1	TRP X 154	1.868	11.969	-21.969	1.00	0.00
ATOM H	2316	HB2	TRP X 154	0.504	12.528	-20.941	1.00	0.00
ATOM C	2317	CG	TRP X 154	0.055	12.180	-22.981	1.00	0.00
ATOM C	2318	CD1	TRP X 154	-1.111	12.859	-23.036	1.00	0.00
ATOM H	2319	HD1	TRP X 154	-1.816	12.892	-22.219	1.00	0.00
ATOM N	2320	NE1	TRP X 154	-1.369	13.234	-24.286	1.00	0.00
ATOM H	2321	HE1	TRP X 154	-2.048	13.895	-24.522	1.00	0.00
ATOM C	2322	CE2	TRP X 154	-0.270	12.993	-25.072	1.00	0.00
ATOM C	2323	CD2	TRP X 154	0.648	12.318	-24.246	1.00	0.00
ATOM C	2324	CE3	TRP X 154	1.922	11.998	-24.758	1.00	0.00
ATOM H	2325	HE3	TRP X 154	2.654	11.451	-24.181	1.00	0.00

ATOM C	2326	CZ3	TRP	X	154	2.219	12.398	-26.098	1.00	0.00
ATOM H	2327	HZ3	TRP	X	154	3.203	12.133	-26.455	1.00	0.00
ATOM C	2328	CZ2	TRP	X	154	0.039	13.442	-26.338	1.00	0.00
ATOM H	2329	HZ2	TRP	X	154	-0.550	14.129	-26.926	1.00	0.00
ATOM C	2330	CH2	TRP	X	154	1.334	13.225	-26.776	1.00	0.00
ATOM H	2331	HH2	TRP	X	154	1.688	13.451	-27.771	1.00	0.00
ATOM C	2332	C	TRP	X	154	1.916	10.206	-20.297	1.00	0.00
ATOM O	2333	O	TRP	X	154	1.942	10.631	-19.144	1.00	0.00
ATOM N	2334	N	PHE	X	155	3.018	9.573	-20.930	1.00	0.00
ATOM H	2335	HN	PHE	X	155	2.988	9.282	-21.883	1.00	0.00
ATOM C	2336	CA	PHE	X	155	4.296	9.262	-20.242	1.00	0.00
ATOM H	2337	HA	PHE	X	155	4.234	9.462	-19.183	1.00	0.00
ATOM C	2338	CB	PHE	X	155	4.594	7.780	-20.508	1.00	0.00
ATOM H	2339	HB1	PHE	X	155	5.569	7.458	-20.083	1.00	0.00
ATOM H	2340	HB2	PHE	X	155	4.691	7.631	-21.605	1.00	0.00
ATOM C	2341	CG	PHE	X	155	3.607	6.789	-19.911	1.00	0.00
ATOM C	2342	CD1	PHE	X	155	3.038	5.738	-20.651	1.00	0.00
ATOM H	2343	HD1	PHE	X	155	3.156	5.681	-21.723	1.00	0.00
ATOM C	2344	CE1	PHE	X	155	2.270	4.719	-19.998	1.00	0.00
ATOM H	2345	HE1	PHE	X	155	1.806	3.980	-20.634	1.00	0.00
ATOM C	2346	CZ	PHE	X	155	2.257	4.729	-18.578	1.00	0.00
ATOM H	2347	HZ	PHE	X	155	1.764	3.933	-18.040	1.00	0.00
ATOM C	2348	CD2	PHE	X	155	3.447	6.781	-18.518	1.00	0.00
ATOM H	2349	HD2	PHE	X	155	3.834	7.593	-17.919	1.00	0.00
ATOM C	2350	CE2	PHE	X	155	2.946	5.695	-17.796	1.00	0.00

ATOM H	2351	HE2	PHE	X	155	3.061	5.664	-16.722	1.00	0.00
ATOM C	2352	C	PHE	X	155	5.586	9.953	-20.604	1.00	0.00
ATOM O	2353	O	PHE	X	155	5.894	9.981	-21.828	1.00	0.00
ATOM N	2354	N	GLN	X	156	6.384	10.474	-19.679	1.00	0.00
ATOM H	2355	HN	GLN	X	156	6.051	10.569	-18.744	1.00	0.00
ATOM C	2356	CA	GLN	X	156	7.712	10.990	-19.809	1.00	0.00
ATOM H	2357	HA	GLN	X	156	7.865	11.282	-20.837	1.00	0.00
ATOM C	2358	CB	GLN	X	156	7.954	12.123	-18.780	1.00	0.00
ATOM H	2359	HB1	GLN	X	156	7.759	11.731	-17.759	1.00	0.00
ATOM H	2360	HB2	GLN	X	156	7.191	12.920	-18.912	1.00	0.00
ATOM C	2361	CG	GLN	X	156	9.495	12.544	-18.883	1.00	0.00
ATOM H	2362	HG1	GLN	X	156	9.725	13.043	-19.849	1.00	0.00
ATOM H	2363	HG2	GLN	X	156	10.206	11.696	-18.789	1.00	0.00
ATOM C	2364	CD	GLN	X	156	9.790	13.434	-17.632	1.00	0.00
ATOM O	2365	OE1	GLN	X	156	10.553	13.025	-16.713	1.00	0.00
ATOM N	2366	NE2	GLN	X	156	9.192	14.653	-17.647	1.00	0.00
ATOM H	2367	HE21	GLN	X	156	8.738	14.990	-18.472	1.00	0.00
ATOM H	2368	HE22	GLN	X	156	9.549	15.290	-16.964	1.00	0.00
ATOM C	2369	C	GLN	X	156	8.656	9.820	-19.579	1.00	0.00
ATOM O	2370	O	GLN	X	156	8.641	9.226	-18.477	1.00	0.00
ATOM N	2371	N	GLN	X	157	9.531	9.508	-20.565	1.00	0.00
ATOM H	2372	HN	GLN	X	157	9.426	9.971	-21.442	1.00	0.00
ATOM C	2373	CA	GLN	X	157	10.579	8.556	-20.335	1.00	0.00
ATOM H	2374	HA	GLN	X	157	10.490	8.172	-19.330	1.00	0.00
ATOM C	2375	CB	GLN	X	157	10.339	7.284	-21.240	1.00	0.00

ATOM H	2376	HB1	GLN	X	157	10.118	7.710	-22.242	1.00	0.00
ATOM H	2377	HB2	GLN	X	157	9.524	6.634	-20.855	1.00	0.00
ATOM C	2378	CG	GLN	X	157	11.558	6.344	-21.170	1.00	0.00
ATOM H	2379	HG1	GLN	X	157	11.921	6.315	-20.120	1.00	0.00
ATOM H	2380	HG2	GLN	X	157	12.401	6.795	-21.736	1.00	0.00
ATOM C	2381	CD	GLN	X	157	11.280	5.010	-21.820	1.00	0.00
ATOM O	2382	OE1	GLN	X	157	11.031	4.822	-22.991	1.00	0.00
ATOM N	2383	NE2	GLN	X	157	11.214	4.013	-20.903	1.00	0.00
ATOM H	2384	HE21	GLN	X	157	10.978	3.130	-21.308	1.00	0.00
ATOM H	2385	HE22	GLN	X	157	11.564	4.114	-19.972	1.00	0.00
ATOM C	2386	C	GLN	X	157	11.946	9.124	-20.415	1.00	0.00
ATOM O	2387	O	GLN	X	157	12.391	9.472	-21.495	1.00	0.00
ATOM N	2388	N	LYS	X	158	12.627	9.253	-19.280	1.00	0.00
ATOM H	2389	HN	LYS	X	158	12.053	9.253	-18.465	1.00	0.00
ATOM C	2390	CA	LYS	X	158	14.069	9.637	-19.253	1.00	0.00
ATOM H	2391	HA	LYS	X	158	14.263	10.437	-19.952	1.00	0.00
ATOM C	2392	CB	LYS	X	158	14.413	10.107	-17.847	1.00	0.00
ATOM H	2393	HB1	LYS	X	158	15.424	10.569	-17.826	1.00	0.00
ATOM H	2394	HB2	LYS	X	158	14.345	9.206	-17.201	1.00	0.00
ATOM C	2395	CG	LYS	X	158	13.521	11.232	-17.225	1.00	0.00
ATOM H	2396	HG1	LYS	X	158	13.771	11.553	-16.191	1.00	0.00
ATOM H	2397	HG2	LYS	X	158	12.457	10.915	-17.211	1.00	0.00
ATOM C	2398	CD	LYS	X	158	13.617	12.442	-18.125	1.00	0.00
ATOM H	2399	HD1	LYS	X	158	12.664	12.991	-17.971	1.00	0.00
ATOM H	2400	HD2	LYS	X	158	13.486	12.244	-19.210	1.00	0.00

ATOM H	2526	HG	LEU X 166	4.515	12.532	-17.943	1.00	0.00
ATOM C	2527	CD1	LEU X 166	4.801	14.221	-19.167	1.00	0.00
ATOM H	2528	HD11	LEU X 166	5.902	14.152	-19.295	1.00	0.00
ATOM H	2529	HD12	LEU X 166	4.493	15.259	-18.918	1.00	0.00
ATOM H	2530	HD13	LEU X 166	4.194	13.901	-20.041	1.00	0.00
ATOM C	2531	CD2	LEU X 166	5.171	14.282	-16.767	1.00	0.00
ATOM H	2532	HD21	LEU X 166	4.848	15.337	-16.632	1.00	0.00
ATOM H	2533	HD22	LEU X 166	6.239	14.208	-17.065	1.00	0.00
ATOM H	2534	HD23	LEU X 166	5.157	13.796	-15.768	1.00	0.00
ATOM C	2535	C	LEU X 166	0.607	13.244	-16.603	1.00	0.00
ATOM O	2536	O	LEU X 166	0.097	14.134	-15.947	1.00	0.00
ATOM N	2537	N	ILE X 167	-0.052	12.553	-17.550	1.00	0.00
ATOM H	2538	HN	ILE X 167	0.315	11.908	-18.215	1.00	0.00
ATOM C	2539	CA	ILE X 167	-1.435	12.873	-17.873	1.00	0.00
ATOM H	2540	HA	ILE X 167	-1.776	13.676	-17.237	1.00	0.00
ATOM C	2541	CB	ILE X 167	-1.593	13.418	-19.294	1.00	0.00
ATOM H	2542	HB	ILE X 167	-1.376	12.541	-19.940	1.00	0.00
ATOM C	2543	CG2	ILE X 167	-3.003	13.812	-19.591	1.00	0.00
ATOM H	2544	HG21	ILE X 167	-3.547	12.930	-19.989	1.00	0.00
ATOM H	2545	HG22	ILE X 167	-3.060	14.522	-20.443	1.00	0.00
ATOM H	2546	HG23	ILE X 167	-3.435	14.282	-18.682	1.00	0.00
ATOM C	2547	CG1	ILE X 167	-0.642	14.638	-19.551	1.00	0.00
ATOM H	2548	HG11	ILE X 167	-0.851	14.952	-20.597	1.00	0.00
ATOM H	2549	HG12	ILE X 167	0.417	14.385	-19.332	1.00	0.00
ATOM C	2550	CD	ILE X 167	-0.911	15.885	-18.658	1.00	0.00

ATOM	2576	O	TYR X 168	-5.957	12.520	-17.476	1.00	0.00
ATOM	2577	N	GLU X 169	-6.789	10.555	-17.932	1.00	0.00
ATOM	2578	HN	GLU X 169	-6.836	9.579	-17.733	1.00	0.00
ATOM	2579	CA	GLU X 169	-7.933	10.921	-18.707	1.00	0.00
ATOM	2580	HA	GLU X 169	-8.202	10.008	-19.218	1.00	0.00
ATOM	2581	CB	GLU X 169	-9.097	11.314	-17.716	1.00	0.00
ATOM	2582	HB1	GLU X 169	-9.802	12.062	-18.138	1.00	0.00
ATOM	2583	HB2	GLU X 169	-8.691	11.846	-16.830	1.00	0.00
ATOM	2584	CG	GLU X 169	-9.871	10.095	-17.083	1.00	0.00
ATOM	2585	HG1	GLU X 169	-9.220	9.391	-16.522	1.00	0.00
ATOM	2586	HG2	GLU X 169	-10.326	9.433	-17.851	1.00	0.00
ATOM	2587	CD	GLU X 169	-10.915	10.555	-16.115	1.00	0.00
ATOM	2588	OE1	GLU X 169	-11.460	9.717	-15.395	1.00	0.00
ATOM	2589	OE2	GLU X 169	-11.204	11.795	-15.958	1.00	0.00
ATOM	2590	C	GLU X 169	-7.751	11.906	-19.808	1.00	0.00
ATOM	2591	O	GLU X 169	-8.644	12.701	-20.085	1.00	0.00
ATOM	2592	N	ALA X 170	-6.596	11.852	-20.569	1.00	0.00
ATOM	2593	HN	ALA X 170	-5.881	11.165	-20.464	1.00	0.00
ATOM	2594	CA	ALA X 170	-6.295	12.845	-21.570	1.00	0.00
ATOM	2595	HA	ALA X 170	-5.275	12.632	-21.852	1.00	0.00
ATOM	2596	CB	ALA X 170	-7.069	12.624	-22.859	1.00	0.00
ATOM	2597	HB1	ALA X 170	-6.864	11.574	-23.156	1.00	0.00
ATOM	2598	HB2	ALA X 170	-6.704	13.115	-23.786	1.00	0.00
ATOM	2599	HB3	ALA X 170	-8.169	12.637	-22.697	1.00	0.00
ATOM	2600	C	ALA X 170	-6.381	14.337	-21.269	1.00	0.00

ATOM C	2626	CA	LEU X 173	-2.398	16.123	-14.421	1.00	0.00
ATOM H	2627	HA	LEU X 173	-1.839	15.557	-15.152	1.00	0.00
ATOM C	2628	CB	LEU X 173	-1.907	17.647	-14.156	1.00	0.00
ATOM H	2629	HB1	LEU X 173	-2.510	18.042	-13.311	1.00	0.00
ATOM H	2630	HB2	LEU X 173	-1.938	18.211	-15.112	1.00	0.00
ATOM C	2631	CG	LEU X 173	-0.446	17.856	-13.737	1.00	0.00
ATOM H	2632	HG	LEU X 173	-0.345	17.355	-12.751	1.00	0.00
ATOM C	2633	CD1	LEU X 173	0.637	17.270	-14.687	1.00	0.00
ATOM H	2634	HD11	LEU X 173	0.335	17.360	-15.752	1.00	0.00
ATOM H	2635	HD12	LEU X 173	0.659	16.177	-14.488	1.00	0.00
ATOM H	2636	HD13	LEU X 173	1.620	17.788	-14.663	1.00	0.00
ATOM C	2637	CD2	LEU X 173	-0.039	19.374	-13.526	1.00	0.00
ATOM H	2638	HD21	LEU X 173	-0.369	19.582	-12.485	1.00	0.00
ATOM H	2639	HD22	LEU X 173	-0.435	20.016	-14.341	1.00	0.00
ATOM H	2640	HD23	LEU X 173	1.070	19.434	-13.513	1.00	0.00
ATOM C	2641	C	LEU X 173	-2.189	15.280	-13.107	1.00	0.00
ATOM O	2642	O	LEU X 173	-2.813	15.589	-12.058	1.00	0.00
ATOM N	2643	N	GLU X 174	-1.267	14.253	-13.115	1.00	0.00
ATOM H	2644	HN	GLU X 174	-0.932	13.940	-14.000	1.00	0.00
ATOM C	2645	CA	GLU X 174	-0.853	13.474	-12.001	1.00	0.00
ATOM H	2646	HA	GLU X 174	-1.818	13.275	-11.557	1.00	0.00
ATOM C	2647	CB	GLU X 174	-0.100	12.169	-12.431	1.00	0.00
ATOM H	2648	HB1	GLU X 174	0.265	11.657	-11.515	1.00	0.00
ATOM H	2649	HB2	GLU X 174	0.802	12.467	-13.007	1.00	0.00
ATOM C	2650	CG	GLU X 174	-1.013	11.053	-13.019	1.00	0.00

ATOM N	2676	N	VAL X 177	4.027	16.190	-10.326	1.00	0.00
ATOM H	2677	HN	VAL X 177	3.038	16.248	-10.212	1.00	0.00
ATOM C	2678	CA	VAL X 177	4.334	16.625	-11.659	1.00	0.00
ATOM H	2679	HA	VAL X 177	5.330	16.246	-11.831	1.00	0.00
ATOM C	2680	CB	VAL X 177	3.478	16.053	-12.818	1.00	0.00
ATOM H	2681	HB	VAL X 177	2.413	16.340	-12.689	1.00	0.00
ATOM C	2682	CG1	VAL X 177	4.050	16.487	-14.216	1.00	0.00
ATOM H	2683	HG11	VAL X 177	4.085	17.596	-14.274	1.00	0.00
ATOM H	2684	HG12	VAL X 177	3.454	16.116	-15.077	1.00	0.00
ATOM H	2685	HG13	VAL X 177	5.123	16.220	-14.322	1.00	0.00
ATOM C	2686	CG2	VAL X 177	3.584	14.505	-12.679	1.00	0.00
ATOM H	2687	HG21	VAL X 177	3.150	14.241	-11.691	1.00	0.00
ATOM H	2688	HG22	VAL X 177	4.668	14.272	-12.751	1.00	0.00
ATOM H	2689	HG23	VAL X 177	3.108	13.974	-13.531	1.00	0.00
ATOM C	2690	C	VAL X 177	4.207	18.123	-11.560	1.00	0.00
ATOM O	2691	O	VAL X 177	3.184	18.572	-10.977	1.00	0.00
ATOM N	2692	N	PRO X 178	5.121	18.971	-12.065	1.00	0.00
ATOM C	2693	CD	PRO X 178	6.417	18.511	-12.492	1.00	0.00
ATOM H	2694	HD1	PRO X 178	6.363	18.278	-13.577	1.00	0.00
ATOM H	2695	HD2	PRO X 178	6.768	17.627	-11.917	1.00	0.00
ATOM C	2696	CA	PRO X 178	4.934	20.390	-12.189	1.00	0.00
ATOM H	2697	HA	PRO X 178	4.739	20.848	-11.231	1.00	0.00
ATOM C	2698	CB	PRO X 178	6.303	20.858	-12.887	1.00	0.00
ATOM H	2699	HB1	PRO X 178	6.579	21.890	-12.581	1.00	0.00
ATOM H	2700	HB2	PRO X 178	6.250	20.801	-13.995	1.00	0.00

ATOM C	2701	CG	PRO X 178	7.243	19.791	-12.419	1.00	0.00
ATOM H	2702	HG1	PRO X 178	8.171	19.562	-12.985	1.00	0.00
ATOM H	2703	HG2	PRO X 178	7.509	19.939	-11.351	1.00	0.00
ATOM C	2704	C	PRO X 178	3.761	20.853	-13.082	1.00	0.00
ATOM O	2705	O	PRO X 178	3.465	20.263	-14.093	1.00	0.00
ATOM N	2706	N	SER X 179	3.175	21.985	-12.749	1.00	0.00
ATOM H	2707	HN	SER X 179	3.612	22.340	-11.926	1.00	0.00
ATOM C	2708	CA	SER X 179	2.015	22.646	-13.326	1.00	0.00
ATOM H	2709	HA	SER X 179	1.262	21.874	-13.380	1.00	0.00
ATOM C	2710	CB	SER X 179	1.465	23.845	-12.471	1.00	0.00
ATOM H	2711	HB1	SER X 179	1.268	23.250	-11.553	1.00	0.00
ATOM H	2712	HB2	SER X 179	0.498	24.284	-12.796	1.00	0.00
ATOM O	2713	OG	SER X 179	2.375	24.876	-12.040	1.00	0.00
ATOM H	2714	HG1	SER X 179	2.739	24.634	-11.186	1.00	0.00
ATOM C	2715	C	SER X 179	2.119	23.202	-14.703	1.00	0.00
ATOM O	2716	O	SER X 179	1.059	23.279	-15.303	1.00	0.00
ATOM N	2717	N	ARG X 180	3.316	23.463	-15.201	1.00	0.00
ATOM H	2718	HN	ARG X 180	4.020	23.495	-14.496	1.00	0.00
ATOM C	2719	CA	ARG X 180	3.533	23.744	-16.579	1.00	0.00
ATOM H	2720	HA	ARG X 180	2.930	24.594	-16.862	1.00	0.00
ATOM C	2721	CB	ARG X 180	5.012	24.129	-16.896	1.00	0.00
ATOM H	2722	HB1	ARG X 180	5.146	25.087	-16.349	1.00	0.00
ATOM H	2723	HB2	ARG X 180	5.177	24.390	-17.963	1.00	0.00
ATOM C	2724	CG	ARG X 180	6.046	23.031	-16.489	1.00	0.00
ATOM H	2725	HG1	ARG X 180	5.990	22.047	-17.001	1.00	0.00

ATOM H	2776	HA2	GLY X 183	-2.266	18.106	-22.655	1.00	0.00
ATOM C	2777	C	GLY X 183	-4.295	18.134	-22.172	1.00	0.00
ATOM O	2778	O	GLY X 183	-5.045	18.678	-21.360	1.00	0.00
ATOM N	2779	N	SER X 184	-4.643	17.744	-23.426	1.00	0.00
ATOM H	2780	HN	SER X 184	-3.929	17.317	-23.976	1.00	0.00
ATOM C	2781	CA	SER X 184	-5.916	18.061	-24.066	1.00	0.00
ATOM H	2782	HA	SER X 184	-6.693	17.975	-23.321	1.00	0.00
ATOM C	2783	CB	SER X 184	-5.985	19.615	-24.589	1.00	0.00
ATOM H	2784	HB1	SER X 184	-5.418	19.782	-25.530	1.00	0.00
ATOM H	2785	HB2	SER X 184	-5.450	20.228	-23.831	1.00	0.00
ATOM O	2786	OG	SER X 184	-7.354	19.969	-24.808	1.00	0.00
ATOM H	2787	HG1	SER X 184	-7.367	20.560	-25.564	1.00	0.00
ATOM C	2788	C	SER X 184	-6.355	17.136	-25.187	1.00	0.00
ATOM O	2789	O	SER X 184	-5.512	16.485	-25.735	1.00	0.00
ATOM N	2790	N	GLY X 185	-7.616	17.108	-25.467	1.00	0.00
ATOM H	2791	HN	GLY X 185	-8.253	17.646	-24.921	1.00	0.00
ATOM C	2792	CA	GLY X 185	-8.172	16.513	-26.674	1.00	0.00
ATOM H	2793	HA1	GLY X 185	-7.415	16.348	-27.426	1.00	0.00
ATOM H	2794	HA2	GLY X 185	-8.923	17.218	-26.998	1.00	0.00
ATOM C	2795	C	GLY X 185	-8.978	15.275	-26.473	1.00	0.00
ATOM O	2796	O	GLY X 185	-8.807	14.487	-25.508	1.00	0.00
ATOM N	2797	N	SER X 186	-9.971	14.975	-27.375	1.00	0.00
ATOM H	2798	HN	SER X 186	-9.986	15.658	-28.101	1.00	0.00
ATOM C	2799	CA	SER X 186	-10.742	13.800	-27.367	1.00	0.00
ATOM H	2800	HA	SER X 186	-10.340	12.966	-26.812	1.00	0.00

ATOM C	2876	C	THR X 191	-1.558	16.880	-25.983	1.00	0.00
ATOM O	2877	O	THR X 191	-2.313	16.772	-25.023	1.00	0.00
ATOM N	2878	N	LEU X 192	-0.241	16.801	-25.920	1.00	0.00
ATOM H	2879	HN	LEU X 192	0.341	16.715	-26.725	1.00	0.00
ATOM C	2880	CA	LEU X 192	0.427	17.077	-24.616	1.00	0.00
ATOM H	2881	HA	LEU X 192	-0.331	17.142	-23.849	1.00	0.00
ATOM C	2882	CB	LEU X 192	1.445	15.947	-24.291	1.00	0.00
ATOM H	2883	HB1	LEU X 192	1.980	15.608	-25.204	1.00	0.00
ATOM H	2884	HB2	LEU X 192	0.898	14.996	-24.122	1.00	0.00
ATOM C	2885	CG	LEU X 192	2.560	16.110	-23.170	1.00	0.00
ATOM H	2886	HG	LEU X 192	3.230	16.955	-23.437	1.00	0.00
ATOM C	2887	CD1	LEU X 192	2.015	16.116	-21.748	1.00	0.00
ATOM H	2888	HD11	LEU X 192	1.453	17.047	-21.521	1.00	0.00
ATOM H	2889	HD12	LEU X 192	2.754	16.042	-20.922	1.00	0.00
ATOM H	2890	HD13	LEU X 192	1.244	15.330	-21.599	1.00	0.00
ATOM C	2891	CD2	LEU X 192	3.439	14.836	-23.197	1.00	0.00
ATOM H	2892	HD21	LEU X 192	3.003	13.963	-22.666	1.00	0.00
ATOM H	2893	HD22	LEU X 192	4.325	14.934	-22.534	1.00	0.00
ATOM H	2894	HD23	LEU X 192	3.804	14.591	-24.217	1.00	0.00
ATOM C	2895	C	LEU X 192	1.194	18.416	-24.728	1.00	0.00
ATOM O	2896	O	LEU X 192	1.758	18.769	-25.773	1.00	0.00
ATOM N	2897	N	THR X 193	1.226	19.185	-23.627	1.00	0.00
ATOM H	2898	HN	THR X 193	0.597	19.047	-22.865	1.00	0.00
ATOM C	2899	CA	THR X 193	1.823	20.540	-23.730	1.00	0.00
ATOM H	2900	HA	THR X 193	2.481	20.689	-24.574	1.00	0.00

ATOM C	2901	CB	THR X 193	0.811	21.668	-23.596	1.00	0.00
ATOM H	2902	HB	THR X 193	0.005	21.408	-22.877	1.00	0.00
ATOM O	2903	OG1	THR X 193	0.109	21.722	-24.814	1.00	0.00
ATOM H	2904	HG1	THR X 193	0.793	22.011	-25.422	1.00	0.00
ATOM C	2905	CG2	THR X 193	1.423	23.049	-23.286	1.00	0.00
ATOM H	2906	HG21	THR X 193	0.539	23.721	-23.312	1.00	0.00
ATOM H	2907	HG22	THR X 193	2.169	23.384	-24.038	1.00	0.00
ATOM H	2908	HG23	THR X 193	1.868	23.098	-22.269	1.00	0.00
ATOM C	2909	C	THR X 193	2.787	20.707	-22.623	1.00	0.00
ATOM O	2910	O	THR X 193	2.507	20.605	-21.409	1.00	0.00
ATOM N	2911	N	ILE X 194	4.066	21.051	-22.968	1.00	0.00
ATOM H	2912	HN	ILE X 194	4.440	21.035	-23.892	1.00	0.00
ATOM C	2913	CA	ILE X 194	5.027	21.495	-21.901	1.00	0.00
ATOM H	2914	HA	ILE X 194	4.736	21.267	-20.886	1.00	0.00
ATOM C	2915	CB	ILE X 194	6.495	20.926	-22.120	1.00	0.00
ATOM H	2916	HB	ILE X 194	6.935	21.427	-23.008	1.00	0.00
ATOM C	2917	CG2	ILE X 194	7.300	21.330	-20.823	1.00	0.00
ATOM H	2918	HG21	ILE X 194	8.386	21.100	-20.874	1.00	0.00
ATOM H	2919	HG22	ILE X 194	6.911	20.850	-19.900	1.00	0.00
ATOM H	2920	HG23	ILE X 194	7.333	22.440	-20.793	1.00	0.00
ATOM C	2921	CG1	ILE X 194	6.562	19.420	-22.346	1.00	0.00
ATOM H	2922	HG11	ILE X 194	5.940	19.131	-23.220	1.00	0.00
ATOM H	2923	HG12	ILE X 194	6.215	18.930	-21.411	1.00	0.00
ATOM C	2924	CD	ILE X 194	7.961	18.831	-22.566	1.00	0.00
ATOM H	2925	HD1	ILE X 194	8.472	18.837	-21.580	1.00	0.00

ATOM H	2926	HD2	ILE	X	194	8.610	19.242	-23.368	1.00	0.00
ATOM H	2927	HD3	ILE	X	194	7.883	17.764	-22.868	1.00	0.00
ATOM C	2928	C	ILE	X	194	5.136	22.983	-21.971	1.00	0.00
ATOM O	2929	O	ILE	X	194	5.715	23.628	-22.911	1.00	0.00
ATOM N	2930	N	SER	X	195	4.622	23.782	-21.006	1.00	0.00
ATOM H	2931	HN	SER	X	195	4.244	23.491	-20.131	1.00	0.00
ATOM C	2932	CA	SER	X	195	4.778	25.240	-20.927	1.00	0.00
ATOM H	2933	HA	SER	X	195	4.746	25.548	-21.962	1.00	0.00
ATOM C	2934	CB	SER	X	195	3.688	26.073	-20.145	1.00	0.00
ATOM H	2935	HB1	SER	X	195	4.091	27.100	-20.018	1.00	0.00
ATOM H	2936	HB2	SER	X	195	3.556	25.621	-19.139	1.00	0.00
ATOM O	2937	OG	SER	X	195	2.430	26.046	-20.761	1.00	0.00
ATOM H	2938	HG1	SER	X	195	2.472	26.562	-21.569	1.00	0.00
ATOM C	2939	C	SER	X	195	6.201	25.712	-20.463	1.00	0.00
ATOM O	2940	O	SER	X	195	6.376	26.096	-19.295	1.00	0.00
ATOM N	2941	N	SER	X	196	7.142	25.802	-21.436	1.00	0.00
ATOM H	2942	HN	SER	X	196	6.860	25.287	-22.242	1.00	0.00
ATOM C	2943	CA	SER	X	196	8.394	26.392	-21.226	1.00	0.00
ATOM H	2944	HA	SER	X	196	8.863	26.476	-22.195	1.00	0.00
ATOM C	2945	CB	SER	X	196	8.461	27.851	-20.566	1.00	0.00
ATOM H	2946	HB1	SER	X	196	8.101	27.973	-19.522	1.00	0.00
ATOM H	2947	HB2	SER	X	196	7.651	28.401	-21.092	1.00	0.00
ATOM O	2948	OG	SER	X	196	9.779	28.517	-20.695	1.00	0.00
ATOM H	2949	HG1	SER	X	196	10.413	28.057	-20.140	1.00	0.00
ATOM C	2950	C	SER	X	196	9.444	25.472	-20.507	1.00	0.00

ATOM O	2951	O	SER X 196	9.434	25.308	-19.309	1.00	0.00
ATOM N	2952	N	LEU X 197	10.225	24.796	-21.289	1.00	0.00
ATOM H	2953	HN	LEU X 197	10.410	25.048	-22.235	1.00	0.00
ATOM C	2954	CA	LEU X 197	11.230	23.773	-20.805	1.00	0.00
ATOM H	2955	HA	LEU X 197	10.698	22.872	-20.538	1.00	0.00
ATOM C	2956	CB	LEU X 197	12.088	23.100	-21.935	1.00	0.00
ATOM H	2957	HB1	LEU X 197	12.575	22.171	-21.569	1.00	0.00
ATOM H	2958	HB2	LEU X 197	12.943	23.757	-22.201	1.00	0.00
ATOM C	2959	CG	LEU X 197	11.479	22.639	-23.282	1.00	0.00
ATOM H	2960	HG	LEU X 197	11.185	23.598	-23.758	1.00	0.00
ATOM C	2961	CD1	LEU X 197	12.451	21.849	-24.124	1.00	0.00
ATOM H	2962	HD11	LEU X 197	12.736	20.876	-23.669	1.00	0.00
ATOM H	2963	HD12	LEU X 197	13.460	22.313	-24.164	1.00	0.00
ATOM H	2964	HD13	LEU X 197	12.077	21.455	-25.093	1.00	0.00
ATOM C	2965	CD2	LEU X 197	10.172	21.810	-23.152	1.00	0.00
ATOM H	2966	HD21	LEU X 197	9.277	22.414	-22.888	1.00	0.00
ATOM H	2967	HD22	LEU X 197	10.253	21.013	-22.382	1.00	0.00
ATOM H	2968	HD23	LEU X 197	9.714	21.509	-24.118	1.00	0.00
ATOM C	2969	C	LEU X 197	12.194	24.134	-19.703	1.00	0.00
ATOM O	2970	O	LEU X 197	12.619	25.248	-19.634	1.00	0.00
ATOM N	2971	N	GLN X 198	12.540	23.175	-18.870	1.00	0.00
ATOM H	2972	HN	GLN X 198	11.975	22.353	-18.888	1.00	0.00
ATOM C	2973	CA	GLN X 198	13.654	23.361	-17.960	1.00	0.00
ATOM H	2974	HA	GLN X 198	14.096	24.332	-18.127	1.00	0.00
ATOM C	2975	CB	GLN X 198	13.102	23.047	-16.547	1.00	0.00

ATOM H	2976	HB1	GLN	X	198	13.965	22.955	-15.854	1.00	0.00
ATOM H	2977	HB2	GLN	X	198	12.543	22.089	-16.606	1.00	0.00
ATOM C	2978	CG	GLN	X	198	12.201	24.220	-16.011	1.00	0.00
ATOM H	2979	HG1	GLN	X	198	11.840	23.894	-15.012	1.00	0.00
ATOM H	2980	HG2	GLN	X	198	11.355	24.282	-16.728	1.00	0.00
ATOM C	2981	CD	GLN	X	198	12.892	25.595	-15.758	1.00	0.00
ATOM O	2982	OE1	GLN	X	198	14.136	25.728	-15.911	1.00	0.00
ATOM N	2983	NE2	GLN	X	198	12.063	26.559	-15.515	1.00	0.00
ATOM H	2984	HE21	GLN	X	198	12.412	27.488	-15.390	1.00	0.00
ATOM H	2985	HE22	GLN	X	198	11.069	26.451	-15.504	1.00	0.00
ATOM C	2986	C	GLN	X	198	14.736	22.349	-18.309	1.00	0.00
ATOM O	2987	O	GLN	X	198	14.462	21.473	-19.133	1.00	0.00
ATOM N	2988	N	PRO	X	199	15.984	22.571	-17.934	1.00	0.00
ATOM C	2989	CD	PRO	X	199	16.463	23.699	-17.140	1.00	0.00
ATOM H	2990	HD1	PRO	X	199	15.964	23.701	-16.147	1.00	0.00
ATOM H	2991	HD2	PRO	X	199	16.157	24.706	-17.497	1.00	0.00
ATOM C	2992	CA	PRO	X	199	17.093	21.804	-18.528	1.00	0.00
ATOM H	2993	HA	PRO	X	199	17.022	21.907	-19.601	1.00	0.00
ATOM C	2994	CB	PRO	X	199	18.383	22.426	-18.087	1.00	0.00
ATOM H	2995	HB1	PRO	X	199	18.712	23.025	-18.963	1.00	0.00
ATOM H	2996	HB2	PRO	X	199	19.252	21.769	-17.864	1.00	0.00
ATOM C	2997	CG	PRO	X	199	17.915	23.507	-16.957	1.00	0.00
ATOM H	2998	HG1	PRO	X	199	18.285	23.110	-15.988	1.00	0.00
ATOM H	2999	HG2	PRO	X	199	18.415	24.493	-17.064	1.00	0.00
ATOM C	3000	C	PRO	X	199	17.033	20.294	-18.344	1.00	0.00

ATOM O	3001	O	PRO X 199	17.804	19.605	-19.042	1.00	0.00
ATOM N	3002	N	ASP X 200	16.266	19.804	-17.342	1.00	0.00
ATOM H	3003	HN	ASP X 200	15.745	20.486	-16.835	1.00	0.00
ATOM C	3004	CA	ASP X 200	16.018	18.341	-17.048	1.00	0.00
ATOM H	3005	HA	ASP X 200	16.819	17.815	-17.545	1.00	0.00
ATOM C	3006	CB	ASP X 200	15.984	18.304	-15.509	1.00	0.00
ATOM H	3007	HB1	ASP X 200	15.068	18.834	-15.170	1.00	0.00
ATOM H	3008	HB2	ASP X 200	16.881	18.863	-15.167	1.00	0.00
ATOM C	3009	CG	ASP X 200	15.982	16.863	-14.984	1.00	0.00
ATOM O	3010	OD1	ASP X 200	16.465	15.967	-15.735	1.00	0.00
ATOM O	3011	OD2	ASP X 200	15.616	16.652	-13.836	1.00	0.00
ATOM C	3012	C	ASP X 200	14.689	17.850	-17.612	1.00	0.00
ATOM O	3013	O	ASP X 200	14.226	16.740	-17.395	1.00	0.00
ATOM N	3014	N	ASP X 201	13.967	18.657	-18.441	1.00	0.00
ATOM H	3015	HN	ASP X 201	14.352	19.536	-18.710	1.00	0.00
ATOM C	3016	CA	ASP X 201	12.753	18.268	-19.205	1.00	0.00
ATOM H	3017	HA	ASP X 201	12.132	17.662	-18.561	1.00	0.00
ATOM C	3018	CB	ASP X 201	11.807	19.399	-19.600	1.00	0.00
ATOM H	3019	HB1	ASP X 201	10.926	19.036	-20.172	1.00	0.00
ATOM H	3020	HB2	ASP X 201	12.345	20.215	-20.128	1.00	0.00
ATOM C	3021	CG	ASP X 201	11.159	19.969	-18.329	1.00	0.00
ATOM O	3022	OD1	ASP X 201	11.148	19.334	-17.216	1.00	0.00
ATOM O	3023	OD2	ASP X 201	10.696	21.157	-18.420	1.00	0.00
ATOM C	3024	C	ASP X 201	13.014	17.465	-20.410	1.00	0.00
ATOM O	3025	O	ASP X 201	12.079	16.850	-20.856	1.00	0.00

ATOM N	3026	N	PHE X 202	14.201	17.366	-20.944	1.00	0.00
ATOM H	3027	HN	PHE X 202	15.049	17.710	-20.548	1.00	0.00
ATOM C	3028	CA	PHE X 202	14.456	16.562	-22.138	1.00	0.00
ATOM H	3029	HA	PHE X 202	13.702	16.842	-22.859	1.00	0.00
ATOM C	3030	CB	PHE X 202	15.887	16.872	-22.670	1.00	0.00
ATOM H	3031	HB1	PHE X 202	15.964	16.304	-23.621	1.00	0.00
ATOM H	3032	HB2	PHE X 202	16.718	16.620	-21.976	1.00	0.00
ATOM C	3033	CG	PHE X 202	16.037	18.361	-22.953	1.00	0.00
ATOM C	3034	CD1	PHE X 202	17.110	19.164	-22.423	1.00	0.00
ATOM H	3035	HD1	PHE X 202	17.866	18.720	-21.793	1.00	0.00
ATOM C	3036	CE1	PHE X 202	17.132	20.472	-22.711	1.00	0.00
ATOM H	3037	HE1	PHE X 202	17.972	21.042	-22.342	1.00	0.00
ATOM C	3038	CZ	PHE X 202	16.288	21.058	-23.612	1.00	0.00
ATOM H	3039	HZ	PHE X 202	16.358	22.078	-23.960	1.00	0.00
ATOM C	3040	CD2	PHE X 202	15.151	18.940	-23.873	1.00	0.00
ATOM H	3041	HD2	PHE X 202	14.473	18.416	-24.530	1.00	0.00
ATOM C	3042	CE2	PHE X 202	15.325	20.287	-24.168	1.00	0.00
ATOM H	3043	HE2	PHE X 202	14.725	20.679	-24.976	1.00	0.00
ATOM C	3044	C	PHE X 202	14.363	15.085	-21.926	1.00	0.00
ATOM O	3045	O	PHE X 202	15.060	14.396	-21.156	1.00	0.00
ATOM N	3046	N	ALA X 203	13.466	14.546	-22.703	1.00	0.00
ATOM H	3047	HN	ALA X 203	12.969	15.191	-23.278	1.00	0.00
ATOM C	3048	CA	ALA X 203	12.972	13.181	-22.616	1.00	0.00
ATOM H	3049	HA	ALA X 203	13.759	12.518	-22.289	1.00	0.00
ATOM C	3050	CB	ALA X 203	11.844	13.040	-21.491	1.00	0.00

ATOM H	3051	HB1	ALA	X	203	12.292	13.317	-20.513	1.00	0.00
ATOM H	3052	HB2	ALA	X	203	11.431	12.011	-21.417	1.00	0.00
ATOM H	3053	HB3	ALA	X	203	11.046	13.759	-21.774	1.00	0.00
ATOM C	3054	C	ALA	X	203	12.337	12.620	-23.907	1.00	0.00
ATOM O	3055	O	ALA	X	203	12.153	13.270	-24.935	1.00	0.00
ATOM N	3056	N	THR	X	204	11.945	11.357	-23.820	1.00	0.00
ATOM H	3057	HN	THR	X	204	12.202	10.781	-23.048	1.00	0.00
ATOM C	3058	CA	THR	X	204	10.993	10.780	-24.813	1.00	0.00
ATOM H	3059	HA	THR	X	204	11.011	11.349	-25.731	1.00	0.00
ATOM C	3060	CB	THR	X	204	11.414	9.446	-25.369	1.00	0.00
ATOM H	3061	HB	THR	X	204	11.398	8.586	-24.665	1.00	0.00
ATOM O	3062	OG1	THR	X	204	12.830	9.376	-25.520	1.00	0.00
ATOM H	3063	HG1	THR	X	204	13.112	10.269	-25.734	1.00	0.00
ATOM C	3064	CG2	THR	X	204	10.851	9.118	-26.691	1.00	0.00
ATOM H	3065	HG21	THR	X	204	11.184	9.909	-27.397	1.00	0.00
ATOM H	3066	HG22	THR	X	204	9.740	9.136	-26.668	1.00	0.00
ATOM H	3067	HG23	THR	X	204	11.232	8.107	-26.951	1.00	0.00
ATOM C	3068	C	THR	X	204	9.591	10.567	-24.277	1.00	0.00
ATOM O	3069	O	THR	X	204	9.307	10.115	-23.153	1.00	0.00
ATOM N	3070	N	TYR	X	205	8.562	10.885	-25.096	1.00	0.00
ATOM H	3071	HN	TYR	X	205	8.681	11.208	-26.032	1.00	0.00
ATOM C	3072	CA	TYR	X	205	7.200	10.918	-24.528	1.00	0.00
ATOM H	3073	HA	TYR	X	205	7.125	10.463	-23.551	1.00	0.00
ATOM C	3074	CB	TYR	X	205	6.660	12.303	-24.532	1.00	0.00
ATOM H	3075	HB1	TYR	X	205	5.596	12.351	-24.218	1.00	0.00

ATOM N	3151	NE2	GLN	X	209	-5.883	0.707	-27.238	1.00	0.00
ATOM H	3152	HE21	GLN	X	209	-5.185	0.678	-27.954	1.00	0.00
ATOM H	3153	HE22	GLN	X	209	-6.559	-0.021	-27.128	1.00	0.00
ATOM C	3154	C	GLN	X	209	-5.243	3.472	-23.626	1.00	0.00
ATOM O	3155	O	GLN	X	209	-4.540	2.515	-23.359	1.00	0.00
ATOM N	3156	N	TYR	X	210	-6.384	3.637	-22.969	1.00	0.00
ATOM H	3157	HN	TYR	X	210	-6.899	4.484	-23.079	1.00	0.00
ATOM C	3158	CA	TYR	X	210	-6.897	2.584	-22.093	1.00	0.00
ATOM H	3159	HA	TYR	X	210	-6.637	1.579	-22.391	1.00	0.00
ATOM C	3160	CB	TYR	X	210	-6.594	2.906	-20.588	1.00	0.00
ATOM H	3161	HB1	TYR	X	210	-5.503	2.987	-20.394	1.00	0.00
ATOM H	3162	HB2	TYR	X	210	-6.912	2.019	-20.000	1.00	0.00
ATOM C	3163	CG	TYR	X	210	-7.189	4.166	-20.052	1.00	0.00
ATOM C	3164	CD1	TYR	X	210	-6.472	5.390	-20.119	1.00	0.00
ATOM H	3165	HD1	TYR	X	210	-5.563	5.280	-20.691	1.00	0.00
ATOM C	3166	CE1	TYR	X	210	-6.988	6.616	-19.664	1.00	0.00
ATOM H	3167	HE1	TYR	X	210	-6.360	7.489	-19.764	1.00	0.00
ATOM C	3168	CZ	TYR	X	210	-8.079	6.520	-18.855	1.00	0.00
ATOM O	3169	OH	TYR	X	210	-8.393	7.702	-18.140	1.00	0.00
ATOM H	3170	HH	TYR	X	210	-9.094	7.555	-17.500	1.00	0.00
ATOM C	3171	CD2	TYR	X	210	-8.263	4.130	-19.190	1.00	0.00
ATOM H	3172	HD2	TYR	X	210	-8.852	3.226	-19.142	1.00	0.00
ATOM C	3173	CE2	TYR	X	210	-8.756	5.328	-18.646	1.00	0.00
ATOM H	3174	HE2	TYR	X	210	-9.687	5.214	-18.111	1.00	0.00
ATOM C	3175	C	TYR	X	210	-8.389	2.554	-22.383	1.00	0.00

ATOM	3176	O	TYR	X	210	-9.160	2.181	-21.508	1.00	0.00
ATOM	3177	N	ASN	X	211	-8.788	2.931	-23.634	1.00	0.00
ATOM	3178	H	ASN	X	211	-8.122	3.362	-24.238	1.00	0.00
ATOM	3179	C	ASN	X	211	-10.157	2.677	-24.150	1.00	0.00
ATOM	3180	H	ASN	X	211	-10.893	3.091	-23.477	1.00	0.00
ATOM	3181	C	ASN	X	211	-10.333	3.251	-25.565	1.00	0.00
ATOM	3182	H	ASN	X	211	-9.602	2.859	-26.304	1.00	0.00
ATOM	3183	H	ASN	X	211	-10.235	4.357	-25.596	1.00	0.00
ATOM	3184	C	ASN	X	211	-11.729	2.970	-26.176	1.00	0.00
ATOM	3185	O	ASN	X	211	-12.605	3.779	-26.141	1.00	0.00
ATOM	3186	N	ASN	X	211	-11.920	1.809	-26.885	1.00	0.00
ATOM	3187	H	ASN	X	211	-11.140	1.194	-26.992	1.00	0.00
ATOM	3188	H	ASN	X	211	-12.832	1.426	-27.037	1.00	0.00
ATOM	3189	C	ASN	X	211	-10.364	1.164	-24.184	1.00	0.00
ATOM	3190	O	ASN	X	211	-11.482	0.751	-23.969	1.00	0.00
ATOM	3191	N	SER	X	212	-9.313	0.319	-24.462	1.00	0.00
ATOM	3192	H	SER	X	212	-8.405	0.623	-24.741	1.00	0.00
ATOM	3193	C	SER	X	212	-9.671	-1.083	-24.866	1.00	0.00
ATOM	3194	H	SER	X	212	-10.290	-1.445	-24.058	1.00	0.00
ATOM	3195	C	SER	X	212	-10.527	-1.214	-26.238	1.00	0.00
ATOM	3196	H	SER	X	212	-11.540	-0.857	-25.956	1.00	0.00
ATOM	3197	H	SER	X	212	-10.612	-2.247	-26.639	1.00	0.00
ATOM	3198	O	SER	X	212	-9.854	-0.432	-27.291	1.00	0.00
ATOM	3199	H	SER	X	212	-9.048	-0.941	-27.410	1.00	0.00
ATOM	3200	C	SER	X	212	-8.491	-1.965	-25.043	1.00	0.00

ATOM O	3201	O	SER X 212	-7.400	-1.529	-25.426	1.00	0.00
ATOM N	3202	N	TYR X 213	-8.529	-3.278	-24.639	1.00	0.00
ATOM H	3203	HN	TYR X 213	-9.333	-3.592	-24.139	1.00	0.00
ATOM C	3204	CA	TYR X 213	-7.522	-4.208	-24.923	1.00	0.00
ATOM H	3205	HA	TYR X 213	-6.606	-3.877	-24.457	1.00	0.00
ATOM C	3206	CB	TYR X 213	-8.007	-5.538	-24.352	1.00	0.00
ATOM H	3207	HB1	TYR X 213	-7.194	-6.255	-24.598	1.00	0.00
ATOM H	3208	HB2	TYR X 213	-8.986	-5.771	-24.822	1.00	0.00
ATOM C	3209	CG	TYR X 213	-8.207	-5.630	-22.849	1.00	0.00
ATOM C	3210	CD1	TYR X 213	-7.358	-5.001	-21.918	1.00	0.00
ATOM H	3211	HD1	TYR X 213	-6.524	-4.394	-22.240	1.00	0.00
ATOM C	3212	CE1	TYR X 213	-7.598	-5.097	-20.537	1.00	0.00
ATOM H	3213	HE1	TYR X 213	-6.847	-4.578	-19.961	1.00	0.00
ATOM C	3214	CZ	TYR X 213	-8.702	-5.708	-20.060	1.00	0.00
ATOM O	3215	OH	TYR X 213	-8.814	-5.888	-18.669	1.00	0.00
ATOM H	3216	HH	TYR X 213	-8.119	-5.398	-18.222	1.00	0.00
ATOM C	3217	CD2	TYR X 213	-9.336	-6.288	-22.292	1.00	0.00
ATOM H	3218	HD2	TYR X 213	-10.021	-6.845	-22.915	1.00	0.00
ATOM C	3219	CE2	TYR X 213	-9.521	-6.338	-20.892	1.00	0.00
ATOM H	3220	HE2	TYR X 213	-10.313	-7.021	-20.623	1.00	0.00
ATOM C	3221	C	TYR X 213	-7.085	-4.484	-26.394	1.00	0.00
ATOM O	3222	O	TYR X 213	-7.980	-4.695	-27.164	1.00	0.00
ATOM N	3223	N	PRO X 214	-5.808	-4.724	-26.837	1.00	0.00
ATOM C	3224	CD	PRO X 214	-5.582	-5.242	-28.166	1.00	0.00
ATOM H	3225	HD1	PRO X 214	-5.726	-4.358	-28.823	1.00	0.00

ATOM H	3226	HD2	PRO	X	214	-6.254	-6.027	-28.576	1.00	0.00
ATOM C	3227	CA	PRO	X	214	-4.553	-4.281	-26.322	1.00	0.00
ATOM H	3228	HA	PRO	X	214	-4.265	-4.820	-25.432	1.00	0.00
ATOM C	3229	CB	PRO	X	214	-3.421	-4.720	-27.281	1.00	0.00
ATOM H	3230	HB1	PRO	X	214	-2.450	-4.955	-26.795	1.00	0.00
ATOM H	3231	HB2	PRO	X	214	-3.312	-3.868	-27.987	1.00	0.00
ATOM C	3232	CG	PRO	X	214	-4.183	-5.821	-28.152	1.00	0.00
ATOM H	3233	HG1	PRO	X	214	-3.855	-6.016	-29.196	1.00	0.00
ATOM H	3234	HG2	PRO	X	214	-4.202	-6.768	-27.571	1.00	0.00
ATOM C	3235	C	PRO	X	214	-4.395	-2.858	-25.925	1.00	0.00
ATOM O	3236	O	PRO	X	214	-4.752	-2.013	-26.703	1.00	0.00
ATOM N	3237	N	TRP	X	215	-3.937	-2.518	-24.737	1.00	0.00
ATOM H	3238	HN	TRP	X	215	-3.672	-3.161	-24.023	1.00	0.00
ATOM C	3239	CA	TRP	X	215	-3.621	-1.102	-24.286	1.00	0.00
ATOM H	3240	HA	TRP	X	215	-4.481	-0.513	-24.567	1.00	0.00
ATOM C	3241	CB	TRP	X	215	-3.506	-1.017	-22.721	1.00	0.00
ATOM H	3242	HB1	TRP	X	215	-3.000	-0.051	-22.508	1.00	0.00
ATOM H	3243	HB2	TRP	X	215	-2.754	-1.783	-22.434	1.00	0.00
ATOM C	3244	CG	TRP	X	215	-4.677	-1.079	-21.934	1.00	0.00
ATOM C	3245	CD1	TRP	X	215	-5.965	-1.276	-22.312	1.00	0.00
ATOM H	3246	HD1	TRP	X	215	-6.241	-1.388	-23.350	1.00	0.00
ATOM N	3247	NE1	TRP	X	215	-6.791	-1.311	-21.251	1.00	0.00
ATOM H	3248	HE1	TRP	X	215	-7.753	-1.147	-21.226	1.00	0.00
ATOM C	3249	CE2	TRP	X	215	-6.056	-1.352	-20.075	1.00	0.00
ATOM C	3250	CD2	TRP	X	215	-4.693	-1.101	-20.437	1.00	0.00

ATOM H	3276	HN	PHE X 217	0.826	0.794	-27.386	1.00	0.00
ATOM C	3277	CA	PHE X 217	1.164	2.756	-26.929	1.00	0.00
ATOM H	3278	HA	PHE X 217	0.753	3.556	-26.332	1.00	0.00
ATOM C	3279	CB	PHE X 217	2.553	2.447	-26.319	1.00	0.00
ATOM H	3280	HB1	PHE X 217	3.167	3.373	-26.331	1.00	0.00
ATOM H	3281	HB2	PHE X 217	3.156	1.652	-26.807	1.00	0.00
ATOM C	3282	CG	PHE X 217	2.493	1.927	-24.851	1.00	0.00
ATOM C	3283	CD1	PHE X 217	3.071	2.714	-23.815	1.00	0.00
ATOM H	3284	HD1	PHE X 217	3.369	3.726	-24.045	1.00	0.00
ATOM C	3285	CE1	PHE X 217	3.082	2.383	-22.524	1.00	0.00
ATOM H	3286	HE1	PHE X 217	3.565	2.953	-21.744	1.00	0.00
ATOM C	3287	CZ	PHE X 217	2.551	1.119	-22.094	1.00	0.00
ATOM H	3288	HZ	PHE X 217	2.582	0.889	-21.039	1.00	0.00
ATOM C	3289	CD2	PHE X 217	2.049	0.637	-24.509	1.00	0.00
ATOM H	3290	HD2	PHE X 217	1.635	-0.145	-25.128	1.00	0.00
ATOM C	3291	CE2	PHE X 217	1.990	0.301	-23.125	1.00	0.00
ATOM H	3292	HE2	PHE X 217	1.678	-0.659	-22.741	1.00	0.00
ATOM C	3293	C	PHE X 217	1.434	3.441	-28.312	1.00	0.00
ATOM O	3294	O	PHE X 217	1.606	2.779	-29.336	1.00	0.00
ATOM N	3295	N	GLY X 218	1.428	4.733	-28.428	1.00	0.00
ATOM H	3296	HN	GLY X 218	1.323	5.347	-27.649	1.00	0.00
ATOM C	3297	CA	GLY X 218	1.767	5.465	-29.622	1.00	0.00
ATOM H	3298	HA1	GLY X 218	1.531	6.512	-29.502	1.00	0.00
ATOM H	3299	HA2	GLY X 218	1.236	5.080	-30.480	1.00	0.00
ATOM C	3300	C	GLY X 218	3.281	5.413	-29.939	1.00	0.00

ATOM O	3301	O	GLY X 218	4.093	4.713	-29.312	1.00	0.00
ATOM N	3302	N	GLN X 219	3.743	6.052	-31.072	1.00	0.00
ATOM H	3303	HN	GLN X 219	3.117	6.414	-31.758	1.00	0.00
ATOM C	3304	CA	GLN X 219	5.122	5.951	-31.643	1.00	0.00
ATOM H	3305	HA	GLN X 219	5.161	4.873	-31.692	1.00	0.00
ATOM C	3306	CB	GLN X 219	5.368	6.485	-33.117	1.00	0.00
ATOM H	3307	HB1	GLN X 219	6.470	6.387	-33.221	1.00	0.00
ATOM H	3308	HB2	GLN X 219	5.019	7.539	-33.099	1.00	0.00
ATOM C	3309	CG	GLN X 219	4.575	5.637	-34.164	1.00	0.00
ATOM H	3310	HG1	GLN X 219	3.477	5.572	-34.008	1.00	0.00
ATOM H	3311	HG2	GLN X 219	5.159	4.708	-34.336	1.00	0.00
ATOM C	3312	CD	GLN X 219	4.555	6.360	-35.482	1.00	0.00
ATOM O	3313	OE1	GLN X 219	4.075	7.515	-35.703	1.00	0.00
ATOM N	3314	NE2	GLN X 219	5.004	5.686	-36.613	1.00	0.00
ATOM H	3315	HE21	GLN X 219	5.195	4.705	-36.592	1.00	0.00
ATOM H	3316	HE22	GLN X 219	5.072	6.206	-37.465	1.00	0.00
ATOM C	3317	C	GLN X 219	6.227	6.410	-30.689	1.00	0.00
ATOM O	3318	O	GLN X 219	7.323	5.870	-30.747	1.00	0.00
ATOM N	3319	N	GLY X 220	6.062	7.487	-29.944	1.00	0.00
ATOM H	3320	HN	GLY X 220	5.197	7.955	-29.781	1.00	0.00
ATOM C	3321	CA	GLY X 220	7.191	7.955	-29.124	1.00	0.00
ATOM H	3322	HA1	GLY X 220	8.015	7.271	-28.981	1.00	0.00
ATOM H	3323	HA2	GLY X 220	6.706	8.213	-28.194	1.00	0.00
ATOM C	3324	C	GLY X 220	7.587	9.312	-29.691	1.00	0.00
ATOM O	3325	O	GLY X 220	7.959	9.319	-30.847	1.00	0.00

ATOM N	3326	N	THR X 221	7.667	10.359	-28.884	1.00	0.00
ATOM H	3327	HN	THR X 221	7.382	10.258	-27.934	1.00	0.00
ATOM C	3328	CA	THR X 221	8.102	11.710	-29.323	1.00	0.00
ATOM H	3329	HA	THR X 221	8.488	11.658	-30.330	1.00	0.00
ATOM C	3330	CB	THR X 221	7.059	12.822	-29.306	1.00	0.00
ATOM H	3331	HB	THR X 221	6.633	12.761	-28.281	1.00	0.00
ATOM O	3332	OG1	THR X 221	6.150	12.579	-30.370	1.00	0.00
ATOM H	3333	HG1	THR X 221	6.590	13.057	-31.078	1.00	0.00
ATOM C	3334	CG2	THR X 221	7.690	14.202	-29.518	1.00	0.00
ATOM H	3335	HG21	THR X 221	8.338	14.466	-28.655	1.00	0.00
ATOM H	3336	HG22	THR X 221	6.920	14.988	-29.672	1.00	0.00
ATOM H	3337	HG23	THR X 221	8.276	14.250	-30.460	1.00	0.00
ATOM C	3338	C	THR X 221	9.324	12.043	-28.533	1.00	0.00
ATOM O	3339	O	THR X 221	9.256	12.257	-27.306	1.00	0.00
ATOM N	3340	N	LYS X 222	10.454	12.237	-29.182	1.00	0.00
ATOM H	3341	HN	LYS X 222	10.515	12.095	-30.167	1.00	0.00
ATOM C	3342	CA	LYS X 222	11.744	12.636	-28.563	1.00	0.00
ATOM H	3343	HA	LYS X 222	11.882	12.259	-27.560	1.00	0.00
ATOM C	3344	CB	LYS X 222	12.940	12.253	-29.467	1.00	0.00
ATOM H	3345	HB1	LYS X 222	13.803	12.858	-29.116	1.00	0.00
ATOM H	3346	HB2	LYS X 222	12.807	12.436	-30.554	1.00	0.00
ATOM C	3347	CG	LYS X 222	13.311	10.763	-29.494	1.00	0.00
ATOM H	3348	HG1	LYS X 222	12.584	10.106	-30.017	1.00	0.00
ATOM H	3349	HG2	LYS X 222	13.361	10.402	-28.445	1.00	0.00
ATOM C	3350	CD	LYS X 222	14.666	10.542	-30.193	1.00	0.00

ATOM C	3376	C	VAL X 223	13.966	16.266	-26.805	1.00	0.00
ATOM O	3377	O	VAL X 223	14.251	15.721	-25.727	1.00	0.00
ATOM N	3378	N	GLU X 224	14.900	16.710	-27.635	1.00	0.00
ATOM H	3379	HN	GLU X 224	14.527	17.103	-28.472	1.00	0.00
ATOM C	3380	CA	GLU X 224	16.370	16.726	-27.502	1.00	0.00
ATOM H	3381	HA	GLU X 224	16.570	15.920	-26.811	1.00	0.00
ATOM C	3382	CB	GLU X 224	17.131	16.243	-28.755	1.00	0.00
ATOM H	3383	HB1	GLU X 224	18.228	16.350	-28.611	1.00	0.00
ATOM H	3384	HB2	GLU X 224	16.941	16.783	-29.707	1.00	0.00
ATOM C	3385	CG	GLU X 224	16.829	14.771	-29.109	1.00	0.00
ATOM H	3386	HG1	GLU X 224	15.934	14.784	-29.766	1.00	0.00
ATOM H	3387	HG2	GLU X 224	16.625	14.147	-28.212	1.00	0.00
ATOM C	3388	CD	GLU X 224	17.878	14.212	-30.048	1.00	0.00
ATOM O	3389	OE1	GLU X 224	18.479	13.102	-29.704	1.00	0.00
ATOM O	3390	OE2	GLU X 224	18.047	14.706	-31.201	1.00	0.00
ATOM C	3391	C	GLU X 224	16.756	18.034	-26.981	1.00	0.00
ATOM O	3392	O	GLU X 224	16.024	19.060	-27.025	1.00	0.00
ATOM N	3393	N	ILE X 225	17.982	18.110	-26.452	1.00	0.00
ATOM H	3394	HN	ILE X 225	18.560	17.311	-26.299	1.00	0.00
ATOM C	3395	CA	ILE X 225	18.664	19.361	-26.236	1.00	0.00
ATOM H	3396	HA	ILE X 225	17.934	20.089	-25.916	1.00	0.00
ATOM C	3397	CB	ILE X 225	19.686	19.270	-25.060	1.00	0.00
ATOM H	3398	HB	ILE X 225	19.122	18.771	-24.243	1.00	0.00
ATOM C	3399	CG2	ILE X 225	20.912	18.388	-25.462	1.00	0.00
ATOM H	3400	HG21	ILE X 225	21.563	19.075	-26.044	1.00	0.00

ATOM H	3451	HB1	ASN	X	227	-16.427	-6.964	-41.693	1.00	0.00
ATOM H	3452	HB2	ASN	X	227	-17.559	-5.637	-41.689	1.00	0.00
ATOM C	3453	CG	ASN	X	227	-17.109	-6.364	-43.710	1.00	0.00
ATOM O	3454	OD1	ASN	X	227	-17.292	-5.242	-44.150	1.00	0.00
ATOM N	3455	ND2	ASN	X	227	-16.852	-7.421	-44.469	1.00	0.00
ATOM H	3456	HD21	ASN	X	227	-16.427	-8.261	-44.131	1.00	0.00
ATOM H	3457	HD22	ASN	X	227	-16.911	-7.245	-45.452	1.00	0.00
ATOM C	3458	C	ASN	X	227	-18.873	-7.575	-40.437	1.00	0.00
ATOM O	3459	O	ASN	X	227	-19.671	-6.805	-39.900	1.00	0.00
ATOM N	3460	N	LEU	X	228	-18.280	-8.558	-39.797	1.00	0.00
ATOM H	3461	HN	LEU	X	228	-17.593	-9.109	-40.266	1.00	0.00
ATOM C	3462	CA	LEU	X	228	-18.555	-8.840	-38.366	1.00	0.00
ATOM H	3463	HA	LEU	X	228	-19.625	-8.985	-38.357	1.00	0.00
ATOM C	3464	CB	LEU	X	228	-17.924	-10.252	-37.965	1.00	0.00
ATOM H	3465	HB1	LEU	X	228	-16.845	-10.089	-38.176	1.00	0.00
ATOM H	3466	HB2	LEU	X	228	-18.411	-10.909	-38.717	1.00	0.00
ATOM C	3467	CG	LEU	X	228	-18.231	-10.661	-36.519	1.00	0.00
ATOM H	3468	HG	LEU	X	228	-17.570	-10.044	-35.874	1.00	0.00
ATOM C	3469	CD1	LEU	X	228	-19.666	-10.293	-36.040	1.00	0.00
ATOM H	3470	HD11	LEU	X	228	-19.860	-10.800	-35.071	1.00	0.00
ATOM H	3471	HD12	LEU	X	228	-20.566	-10.484	-36.662	1.00	0.00
ATOM H	3472	HD13	LEU	X	228	-19.490	-9.215	-35.838	1.00	0.00
ATOM C	3473	CD2	LEU	X	228	-17.726	-12.057	-36.298	1.00	0.00
ATOM H	3474	HD21	LEU	X	228	-16.914	-12.398	-36.975	1.00	0.00
ATOM H	3475	HD22	LEU	X	228	-18.631	-12.659	-36.528	1.00	0.00

ATOM H	3476	HD23	LEU	X	228	-17.449	-12.221	-35.235	1.00	0.00
ATOM C	3477	C	LEU	X	228	-18.050	-7.705	-37.396	1.00	0.00
ATOM O	3478	O	LEU	X	228	-16.853	-7.501	-37.126	1.00	0.00
ATOM N	3479	N	CYS	X	229	-19.029	-7.033	-36.780	1.00	0.00
ATOM H	3480	HN	CYS	X	229	-19.981	-7.230	-37.002	1.00	0.00
ATOM C	3481	CA	CYS	X	229	-18.834	-5.973	-35.787	1.00	0.00
ATOM H	3482	HA	CYS	X	229	-18.311	-5.193	-36.320	1.00	0.00
ATOM C	3483	CB	CYS	X	229	-20.208	-5.491	-35.456	1.00	0.00
ATOM H	3484	HB1	CYS	X	229	-20.271	-4.805	-34.584	1.00	0.00
ATOM H	3485	HB2	CYS	X	229	-20.896	-6.332	-35.223	1.00	0.00
ATOM S	3486	SG	CYS	X	229	-20.965	-4.590	-36.862	1.00	0.00
ATOM C	3487	C	CYS	X	229	-18.143	-6.466	-34.485	1.00	0.00
ATOM O	3488	O	CYS	X	229	-18.366	-7.513	-33.887	1.00	0.00
ATOM N	3489	N	PRO	X	230	-17.240	-5.677	-33.931	1.00	0.00
ATOM C	3490	CD	PRO	X	230	-16.607	-4.577	-34.782	1.00	0.00
ATOM H	3491	HD1	PRO	X	230	-17.303	-3.722	-34.925	1.00	0.00
ATOM H	3492	HD2	PRO	X	230	-16.277	-4.982	-35.763	1.00	0.00
ATOM C	3493	CA	PRO	X	230	-16.336	-6.070	-32.854	1.00	0.00
ATOM H	3494	HA	PRO	X	230	-16.264	-7.138	-32.711	1.00	0.00
ATOM C	3495	CB	PRO	X	230	-14.997	-5.551	-33.416	1.00	0.00
ATOM H	3496	HB1	PRO	X	230	-14.528	-6.378	-33.991	1.00	0.00
ATOM H	3497	HB2	PRO	X	230	-14.286	-5.448	-32.568	1.00	0.00
ATOM C	3498	CG	PRO	X	230	-15.321	-4.220	-34.008	1.00	0.00
ATOM H	3499	HG1	PRO	X	230	-15.649	-3.581	-33.161	1.00	0.00
ATOM H	3500	HG2	PRO	X	230	-14.432	-3.822	-34.542	1.00	0.00

ATOM H	3601	HB3	ALA	X	237	-13.989	0.483	-23.294	1.00	0.00
ATOM C	3602	C	ALA	X	237	-13.425	-1.389	-21.457	1.00	0.00
ATOM O	3603	O	ALA	X	237	-14.049	-1.605	-20.478	1.00	0.00
ATOM N	3604	N	THR	X	238	-12.246	-0.825	-21.419	1.00	0.00
ATOM H	3605	HN	THR	X	238	-11.804	-0.621	-22.289	1.00	0.00
ATOM C	3606	CA	THR	X	238	-11.461	-0.774	-20.152	1.00	0.00
ATOM H	3607	HA	THR	X	238	-11.811	-1.568	-19.509	1.00	0.00
ATOM C	3608	CB	THR	X	238	-9.997	-0.946	-20.276	1.00	0.00
ATOM H	3609	HB	THR	X	238	-9.408	-0.586	-19.405	1.00	0.00
ATOM O	3610	OG1	THR	X	238	-9.470	-0.358	-21.487	1.00	0.00
ATOM H	3611	HG1	THR	X	238	-9.536	0.598	-21.426	1.00	0.00
ATOM C	3612	CG2	THR	X	238	-9.816	-2.473	-20.528	1.00	0.00
ATOM H	3613	HG21	THR	X	238	-10.134	-2.765	-21.552	1.00	0.00
ATOM H	3614	HG22	THR	X	238	-10.337	-3.117	-19.788	1.00	0.00
ATOM H	3615	HG23	THR	X	238	-8.748	-2.772	-20.462	1.00	0.00
ATOM C	3616	C	THR	X	238	-11.777	0.536	-19.350	1.00	0.00
ATOM O	3617	O	THR	X	238	-11.388	0.748	-18.201	1.00	0.00
ATOM N	3618	N	ARG	X	239	-12.445	1.490	-19.944	1.00	0.00
ATOM H	3619	HN	ARG	X	239	-12.507	1.434	-20.937	1.00	0.00
ATOM C	3620	CA	ARG	X	239	-13.109	2.589	-19.288	1.00	0.00
ATOM H	3621	HA	ARG	X	239	-13.179	2.468	-18.217	1.00	0.00
ATOM C	3622	CB	ARG	X	239	-12.299	3.869	-19.567	1.00	0.00
ATOM H	3623	HB1	ARG	X	239	-12.514	4.266	-20.583	1.00	0.00
ATOM H	3624	HB2	ARG	X	239	-11.241	3.540	-19.648	1.00	0.00
ATOM C	3625	CG	ARG	X	239	-12.303	5.006	-18.581	1.00	0.00

ATOM C	3701	CA	TYR X 244	-24.605	12.578	-19.781	1.00	0.00
ATOM H	3702	HA	TYR X 244	-25.627	12.606	-20.132	1.00	0.00
ATOM C	3703	CB	TYR X 244	-24.443	13.692	-18.723	1.00	0.00
ATOM H	3704	HB1	TYR X 244	-24.862	13.369	-17.747	1.00	0.00
ATOM H	3705	HB2	TYR X 244	-25.037	14.613	-18.905	1.00	0.00
ATOM C	3706	CG	TYR X 244	-22.996	14.036	-18.568	1.00	0.00
ATOM C	3707	CD1	TYR X 244	-22.122	13.344	-17.629	1.00	0.00
ATOM H	3708	HD1	TYR X 244	-22.406	12.462	-17.074	1.00	0.00
ATOM C	3709	CE1	TYR X 244	-20.780	13.765	-17.649	1.00	0.00
ATOM H	3710	HE1	TYR X 244	-20.094	13.086	-17.164	1.00	0.00
ATOM C	3711	CZ	TYR X 244	-20.366	14.963	-18.300	1.00	0.00
ATOM O	3712	OH	TYR X 244	-18.994	15.211	-18.360	1.00	0.00
ATOM H	3713	HH	TYR X 244	-18.785	16.004	-18.860	1.00	0.00
ATOM C	3714	CD2	TYR X 244	-22.626	15.300	-19.068	1.00	0.00
ATOM H	3715	HD2	TYR X 244	-23.328	15.933	-19.590	1.00	0.00
ATOM C	3716	CE2	TYR X 244	-21.352	15.714	-18.975	1.00	0.00
ATOM H	3717	HE2	TYR X 244	-21.049	16.623	-19.473	1.00	0.00
ATOM C	3718	C	TYR X 244	-23.803	12.792	-21.042	1.00	0.00
ATOM O	3719	O	TYR X 244	-24.311	13.440	-21.975	1.00	0.00
ATOM N	3720	N	ALA X 245	-22.501	12.360	-21.047	1.00	0.00
ATOM H	3721	HN	ALA X 245	-22.213	11.774	-20.293	1.00	0.00
ATOM C	3722	CA	ALA X 245	-21.478	12.459	-22.050	1.00	0.00
ATOM H	3723	HA	ALA X 245	-21.669	13.329	-22.661	1.00	0.00
ATOM C	3724	CB	ALA X 245	-20.101	12.801	-21.300	1.00	0.00
ATOM H	3725	HB1	ALA X 245	-20.186	13.785	-20.791	1.00	0.00

ATOM H	3751	HH2	TRP	X	246	-26.191	9.737	-29.552	1.00	0.00
ATOM C	3752	C	TRP	X	246	-21.446	8.840	-24.873	1.00	0.00
ATOM O	3753	O	TRP	X	246	-21.578	9.574	-25.828	1.00	0.00
ATOM N	3754	N	ASN	X	247	-20.554	7.858	-24.956	1.00	0.00
ATOM H	3755	HN	ASN	X	247	-20.361	7.393	-24.096	1.00	0.00
ATOM C	3756	CA	ASN	X	247	-19.854	7.376	-26.055	1.00	0.00
ATOM H	3757	HA	ASN	X	247	-19.483	8.179	-26.675	1.00	0.00
ATOM C	3758	CB	ASN	X	247	-18.678	6.455	-25.598	1.00	0.00
ATOM H	3759	HB1	ASN	X	247	-18.963	5.432	-25.270	1.00	0.00
ATOM H	3760	HB2	ASN	X	247	-18.210	6.896	-24.692	1.00	0.00
ATOM C	3761	CG	ASN	X	247	-17.518	6.363	-26.517	1.00	0.00
ATOM O	3762	OD1	ASN	X	247	-17.328	7.061	-27.534	1.00	0.00
ATOM N	3763	ND2	ASN	X	247	-16.514	5.628	-26.087	1.00	0.00
ATOM H	3764	HD21	ASN	X	247	-15.726	5.516	-26.692	1.00	0.00
ATOM H	3765	HD22	ASN	X	247	-16.664	5.244	-25.176	1.00	0.00
ATOM C	3766	C	ASN	X	247	-20.712	6.607	-27.097	1.00	0.00
ATOM O	3767	O	ASN	X	247	-21.669	5.937	-26.734	1.00	0.00
ATOM N	3768	N	ARG	X	248	-20.246	6.648	-28.366	1.00	0.00
ATOM H	3769	HN	ARG	X	248	-19.449	7.208	-28.578	1.00	0.00
ATOM C	3770	CA	ARG	X	248	-20.849	5.745	-29.398	1.00	0.00
ATOM H	3771	HA	ARG	X	248	-21.013	4.817	-28.870	1.00	0.00
ATOM C	3772	CB	ARG	X	248	-22.167	6.204	-30.086	1.00	0.00
ATOM H	3773	HB1	ARG	X	248	-22.943	6.374	-29.310	1.00	0.00
ATOM H	3774	HB2	ARG	X	248	-22.579	5.426	-30.764	1.00	0.00
ATOM C	3775	CG	ARG	X	248	-22.086	7.524	-30.756	1.00	0.00

ATOM C	3851	CD	ILE X 251	-19.815	-1.621	-34.556	1.00	0.00
ATOM H	3852	HD1	ILE X 251	-18.837	-2.042	-34.873	1.00	0.00
ATOM H	3853	HD2	ILE X 251	-20.591	-2.311	-34.952	1.00	0.00
ATOM H	3854	HD3	ILE X 251	-20.062	-1.536	-33.476	1.00	0.00
ATOM C	3855	C	ILE X 251	-20.913	0.579	-38.992	1.00	0.00
ATOM O	3856	O	ILE X 251	-22.054	0.220	-39.018	1.00	0.00
ATOM N	3857	N	SER X 252	-20.229	0.823	-40.124	1.00	0.00
ATOM H	3858	HN	SER X 252	-19.346	1.286	-40.124	1.00	0.00
ATOM C	3859	CA	SER X 252	-20.736	0.612	-41.515	1.00	0.00
ATOM H	3860	HA	SER X 252	-21.789	0.826	-41.400	1.00	0.00
ATOM C	3861	CB	SER X 252	-19.948	1.412	-42.562	1.00	0.00
ATOM H	3862	HB1	SER X 252	-18.865	1.171	-42.629	1.00	0.00
ATOM H	3863	HB2	SER X 252	-20.003	2.441	-42.147	1.00	0.00
ATOM O	3864	OG	SER X 252	-20.509	1.381	-43.838	1.00	0.00
ATOM H	3865	HG1	SER X 252	-21.420	1.668	-43.742	1.00	0.00
ATOM C	3866	C	SER X 252	-20.703	-0.817	-41.998	1.00	0.00
ATOM O	3867	O	SER X 252	-19.678	-1.508	-41.922	1.00	0.00
ATOM N	3868	N	ASN X 253	-21.857	-1.356	-42.570	1.00	0.00
ATOM H	3869	HN	ASN X 253	-22.587	-0.691	-42.710	1.00	0.00
ATOM C	3870	CA	ASN X 253	-22.051	-2.637	-43.094	1.00	0.00
ATOM H	3871	HA	ASN X 253	-23.084	-2.845	-43.332	1.00	0.00
ATOM C	3872	CB	ASN X 253	-21.319	-2.792	-44.503	1.00	0.00
ATOM H	3873	HB1	ASN X 253	-21.573	-3.803	-44.887	1.00	0.00
ATOM H	3874	HB2	ASN X 253	-20.254	-2.578	-44.268	1.00	0.00
ATOM C	3875	CG	ASN X 253	-21.815	-1.819	-45.573	1.00	0.00

ATOM O	3876	OD1	ASN	X	253	-22.809	-1.114	-45.408	1.00	0.00
ATOM N	3877	ND2	ASN	X	253	-21.132	-1.969	-46.732	1.00	0.00
ATOM H	3878	HD21	ASN	X	253	-21.223	-1.334	-47.499	1.00	0.00
ATOM H	3879	HD22	ASN	X	253	-20.412	-2.647	-46.591	1.00	0.00
ATOM C	3880	C	ASN	X	253	-21.805	-3.788	-42.039	1.00	0.00
ATOM O	3881	O	ASN	X	253	-20.709	-4.342	-41.923	1.00	0.00
ATOM N	3882	N	CYS	X	254	-22.804	-4.181	-41.226	1.00	0.00
ATOM H	3883	HN	CYS	X	254	-23.657	-3.666	-41.260	1.00	0.00
ATOM C	3884	CA	CYS	X	254	-22.593	-4.830	-39.950	1.00	0.00
ATOM H	3885	HA	CYS	X	254	-21.526	-4.960	-39.847	1.00	0.00
ATOM C	3886	CB	CYS	X	254	-22.983	-3.864	-38.818	1.00	0.00
ATOM H	3887	HB1	CYS	X	254	-24.031	-3.528	-38.974	1.00	0.00
ATOM H	3888	HB2	CYS	X	254	-22.208	-3.072	-38.899	1.00	0.00
ATOM S	3889	SG	CYS	X	254	-22.816	-4.694	-37.157	1.00	0.00
ATOM C	3890	C	CYS	X	254	-23.388	-6.134	-39.951	1.00	0.00
ATOM O	3891	O	CYS	X	254	-24.629	-6.128	-40.136	1.00	0.00
ATOM N	3892	N	VAL	X	255	-22.708	-7.250	-39.633	1.00	0.00
ATOM H	3893	HN	VAL	X	255	-21.722	-7.136	-39.538	1.00	0.00
ATOM C	3894	CA	VAL	X	255	-23.198	-8.594	-39.267	1.00	0.00
ATOM H	3895	HA	VAL	X	255	-24.261	-8.746	-39.387	1.00	0.00
ATOM C	3896	CB	VAL	X	255	-22.530	-9.697	-40.175	1.00	0.00
ATOM H	3897	HB	VAL	X	255	-21.439	-9.495	-40.126	1.00	0.00
ATOM C	3898	CG1	VAL	X	255	-22.962	-11.112	-39.741	1.00	0.00
ATOM H	3899	HG11	VAL	X	255	-22.520	-11.873	-40.419	1.00	0.00
ATOM H	3900	HG12	VAL	X	255	-24.061	-11.135	-39.576	1.00	0.00

ATOM O	3926	OD1	ASP	X	257	-19.967	-14.040	-31.422	1.00	0.00
ATOM O	3927	OD2	ASP	X	257	-22.133	-14.569	-31.526	1.00	0.00
ATOM C	3928	C	ASP	X	257	-23.464	-11.936	-31.558	1.00	0.00
ATOM O	3929	O	ASP	X	257	-23.004	-11.426	-30.552	1.00	0.00
ATOM N	3930	N	TYR	X	258	-24.690	-12.450	-31.483	1.00	0.00
ATOM H	3931	HN	TYR	X	258	-25.301	-12.844	-32.165	1.00	0.00
ATOM C	3932	CA	TYR	X	258	-25.417	-12.412	-30.298	1.00	0.00
ATOM H	3933	HA	TYR	X	258	-24.979	-11.787	-29.535	1.00	0.00
ATOM C	3934	CB	TYR	X	258	-26.883	-11.962	-30.480	1.00	0.00
ATOM H	3935	HB1	TYR	X	258	-27.422	-11.905	-29.511	1.00	0.00
ATOM H	3936	HB2	TYR	X	258	-27.471	-12.712	-31.051	1.00	0.00
ATOM C	3937	CG	TYR	X	258	-26.967	-10.737	-31.220	1.00	0.00
ATOM C	3938	CD1	TYR	X	258	-26.903	-10.680	-32.587	1.00	0.00
ATOM H	3939	HD1	TYR	X	258	-26.784	-11.523	-33.251	1.00	0.00
ATOM C	3940	CE1	TYR	X	258	-27.138	-9.463	-33.350	1.00	0.00
ATOM H	3941	HE1	TYR	X	258	-26.883	-9.315	-34.389	1.00	0.00
ATOM C	3942	CZ	TYR	X	258	-27.282	-8.264	-32.579	1.00	0.00
ATOM O	3943	OH	TYR	X	258	-27.204	-6.988	-33.271	1.00	0.00
ATOM H	3944	HH	TYR	X	258	-27.297	-7.161	-34.211	1.00	0.00
ATOM C	3945	CD2	TYR	X	258	-27.190	-9.566	-30.501	1.00	0.00
ATOM H	3946	HD2	TYR	X	258	-27.276	-9.551	-29.424	1.00	0.00
ATOM C	3947	CE2	TYR	X	258	-27.312	-8.317	-31.206	1.00	0.00
ATOM H	3948	HE2	TYR	X	258	-27.441	-7.420	-30.618	1.00	0.00
ATOM C	3949	C	TYR	X	258	-25.467	-13.765	-29.484	1.00	0.00
ATOM O	3950	O	TYR	X	258	-26.227	-13.926	-28.553	1.00	0.00

ATOM N	3951	N	SER X 259	-24.581	-14.751	-29.747	1.00	0.00
ATOM H	3952	HN	SER X 259	-23.929	-14.580	-30.482	1.00	0.00
ATOM C	3953	CA	SER X 259	-24.477	-15.959	-28.934	1.00	0.00
ATOM H	3954	HA	SER X 259	-25.416	-16.486	-29.023	1.00	0.00
ATOM C	3955	CB	SER X 259	-23.303	-16.968	-29.474	1.00	0.00
ATOM H	3956	HB1	SER X 259	-23.476	-17.068	-30.567	1.00	0.00
ATOM H	3957	HB2	SER X 259	-23.329	-17.973	-29.002	1.00	0.00
ATOM O	3958	OG	SER X 259	-21.967	-16.426	-29.414	1.00	0.00
ATOM H	3959	HG1	SER X 259	-22.117	-15.700	-30.024	1.00	0.00
ATOM C	3960	C	SER X 259	-24.154	-15.687	-27.377	1.00	0.00
ATOM O	3961	O	SER X 259	-24.781	-16.197	-26.468	1.00	0.00
ATOM N	3962	N	VAL X 260	-23.129	-14.894	-27.042	1.00	0.00
ATOM H	3963	HN	VAL X 260	-22.457	-14.630	-27.730	1.00	0.00
ATOM C	3964	CA	VAL X 260	-22.984	-14.552	-25.688	1.00	0.00
ATOM H	3965	HA	VAL X 260	-23.025	-15.436	-25.068	1.00	0.00
ATOM C	3966	CB	VAL X 260	-21.659	-13.794	-25.443	1.00	0.00
ATOM H	3967	HB	VAL X 260	-21.646	-12.695	-25.606	1.00	0.00
ATOM C	3968	CG1	VAL X 260	-21.299	-13.895	-23.957	1.00	0.00
ATOM H	3969	HG11	VAL X 260	-21.275	-14.978	-23.706	1.00	0.00
ATOM H	3970	HG12	VAL X 260	-22.158	-13.413	-23.443	1.00	0.00
ATOM H	3971	HG13	VAL X 260	-20.355	-13.358	-23.724	1.00	0.00
ATOM C	3972	CG2	VAL X 260	-20.487	-14.311	-26.385	1.00	0.00
ATOM H	3973	HG21	VAL X 260	-20.571	-15.375	-26.694	1.00	0.00
ATOM H	3974	HG22	VAL X 260	-19.492	-14.088	-25.945	1.00	0.00
ATOM H	3975	HG23	VAL X 260	-20.694	-13.764	-27.330	1.00	0.00

ATOM C	3976	C	VAL X 260	-24.140	-13.602	-25.240	1.00	0.00
ATOM O	3977	O	VAL X 260	-24.552	-13.615	-24.060	1.00	0.00
ATOM N	3978	N	LEU X 261	-24.690	-12.682	-26.006	1.00	0.00
ATOM H	3979	HN	LEU X 261	-24.250	-12.562	-26.893	1.00	0.00
ATOM C	3980	CA	LEU X 261	-25.688	-11.666	-25.710	1.00	0.00
ATOM H	3981	HA	LEU X 261	-25.375	-11.158	-24.810	1.00	0.00
ATOM C	3982	CB	LEU X 261	-25.771	-10.615	-26.859	1.00	0.00
ATOM H	3983	HB1	LEU X 261	-26.342	-9.782	-26.397	1.00	0.00
ATOM H	3984	HB2	LEU X 261	-26.288	-11.105	-27.712	1.00	0.00
ATOM C	3985	CG	LEU X 261	-24.387	-10.045	-27.173	1.00	0.00
ATOM H	3986	HG	LEU X 261	-23.727	-10.845	-27.570	1.00	0.00
ATOM C	3987	CD1	LEU X 261	-24.538	-8.979	-28.334	1.00	0.00
ATOM H	3988	HD11	LEU X 261	-23.545	-8.499	-28.471	1.00	0.00
ATOM H	3989	HD12	LEU X 261	-25.221	-8.174	-27.987	1.00	0.00
ATOM H	3990	HD13	LEU X 261	-24.879	-9.441	-29.285	1.00	0.00
ATOM C	3991	CD2	LEU X 261	-23.794	-9.296	-25.967	1.00	0.00
ATOM H	3992	HD21	LEU X 261	-24.545	-8.701	-25.404	1.00	0.00
ATOM H	3993	HD22	LEU X 261	-22.918	-8.704	-26.308	1.00	0.00
ATOM H	3994	HD23	LEU X 261	-23.457	-10.085	-25.261	1.00	0.00
ATOM C	3995	C	LEU X 261	-27.017	-12.121	-25.396	1.00	0.00
ATOM O	3996	O	LEU X 261	-27.756	-11.568	-24.542	1.00	0.00
ATOM N	3997	N	TYR X 262	-27.330	-13.251	-25.981	1.00	0.00
ATOM H	3998	HN	TYR X 262	-26.816	-13.530	-26.788	1.00	0.00
ATOM C	3999	CA	TYR X 262	-28.465	-14.179	-25.548	1.00	0.00
ATOM H	4000	HA	TYR X 262	-29.316	-13.525	-25.428	1.00	0.00

ATOM O	4026	OD1	ASN X 263	-25.558	-16.244	-19.686	1.00	0.00
ATOM N	4027	ND2	ASN X 263	-24.078	-17.523	-20.741	1.00	0.00
ATOM H	4028	HD21	ASN X 263	-23.842	-18.053	-19.927	1.00	0.00
ATOM H	4029	HD22	ASN X 263	-23.589	-17.753	-21.581	1.00	0.00
ATOM C	4030	C	ASN X 263	-27.624	-14.715	-21.093	1.00	0.00
ATOM O	4031	O	ASN X 263	-27.575	-13.480	-21.035	1.00	0.00
ATOM N	4032	N	SER X 264	-28.321	-15.285	-20.138	1.00	0.00
ATOM H	4033	HN	SER X 264	-28.449	-16.274	-20.116	1.00	0.00
ATOM C	4034	CA	SER X 264	-29.120	-14.504	-19.248	1.00	0.00
ATOM H	4035	HA	SER X 264	-29.387	-13.495	-19.528	1.00	0.00
ATOM C	4036	CB	SER X 264	-30.506	-15.107	-19.189	1.00	0.00
ATOM H	4037	HB1	SER X 264	-30.988	-15.129	-20.190	1.00	0.00
ATOM H	4038	HB2	SER X 264	-31.259	-14.584	-18.561	1.00	0.00
ATOM O	4039	OG	SER X 264	-30.403	-16.434	-18.622	1.00	0.00
ATOM H	4040	HG1	SER X 264	-30.303	-17.111	-19.295	1.00	0.00
ATOM C	4041	C	SER X 264	-28.531	-14.512	-17.927	1.00	0.00
ATOM O	4042	O	SER X 264	-29.017	-13.770	-16.945	1.00	0.00
ATOM N	4043	N	ALA X 265	-27.357	-15.160	-17.749	1.00	0.00
ATOM H	4044	HN	ALA X 265	-26.874	-15.570	-18.519	1.00	0.00
ATOM C	4045	CA	ALA X 265	-26.658	-14.984	-16.537	1.00	0.00
ATOM H	4046	HA	ALA X 265	-27.322	-14.706	-15.732	1.00	0.00
ATOM C	4047	CB	ALA X 265	-25.921	-16.320	-16.256	1.00	0.00
ATOM H	4048	HB1	ALA X 265	-26.627	-17.173	-16.160	1.00	0.00
ATOM H	4049	HB2	ALA X 265	-25.399	-16.183	-15.285	1.00	0.00
ATOM H	4050	HB3	ALA X 265	-25.176	-16.527	-17.053	1.00	0.00

ATOM C	4051	C	ALA X 265	-25.629	-13.828	-16.836	1.00	0.00
ATOM O	4052	O	ALA X 265	-25.543	-12.874	-16.052	1.00	0.00
ATOM N	4053	N	SER X 266	-24.882	-13.785	-17.943	1.00	0.00
ATOM H	4054	HN	SER X 266	-24.972	-14.637	-18.453	1.00	0.00
ATOM C	4055	CA	SER X 266	-24.070	-12.747	-18.459	1.00	0.00
ATOM H	4056	HA	SER X 266	-23.358	-12.562	-17.668	1.00	0.00
ATOM C	4057	CB	SER X 266	-23.299	-13.024	-19.792	1.00	0.00
ATOM H	4058	HB1	SER X 266	-22.914	-12.060	-20.189	1.00	0.00
ATOM H	4059	HB2	SER X 266	-24.012	-13.363	-20.573	1.00	0.00
ATOM O	4060	OG	SER X 266	-22.217	-13.848	-19.589	1.00	0.00
ATOM H	4061	HG1	SER X 266	-22.386	-14.435	-18.849	1.00	0.00
ATOM C	4062	C	SER X 266	-24.864	-11.497	-18.604	1.00	0.00
ATOM O	4063	O	SER X 266	-24.385	-10.458	-18.208	1.00	0.00
ATOM N	4064	N	PHE X 267	-26.062	-11.515	-19.138	1.00	0.00
ATOM H	4065	HN	PHE X 267	-26.497	-12.347	-19.473	1.00	0.00
ATOM C	4066	CA	PHE X 267	-26.855	-10.345	-19.392	1.00	0.00
ATOM H	4067	HA	PHE X 267	-26.390	-9.433	-19.047	1.00	0.00
ATOM C	4068	CB	PHE X 267	-27.057	-10.075	-20.895	1.00	0.00
ATOM H	4069	HB1	PHE X 267	-27.552	-9.085	-20.988	1.00	0.00
ATOM H	4070	HB2	PHE X 267	-27.575	-10.865	-21.480	1.00	0.00
ATOM C	4071	CG	PHE X 267	-25.661	-9.814	-21.533	1.00	0.00
ATOM C	4072	CD1	PHE X 267	-24.944	-8.709	-21.178	1.00	0.00
ATOM H	4073	HD1	PHE X 267	-25.510	-8.070	-20.516	1.00	0.00
ATOM C	4074	CE1	PHE X 267	-23.686	-8.486	-21.629	1.00	0.00
ATOM H	4075	HE1	PHE X 267	-23.073	-7.677	-21.259	1.00	0.00

ATOM H	4226	HG1	PRO	X	277	-36.571	-11.762	-29.557	1.00	0.00
ATOM H	4227	HG2	PRO	X	277	-36.758	-10.482	-28.170	1.00	0.00
ATOM C	4228	C	PRO	X	277	-34.332	-11.379	-31.705	1.00	0.00
ATOM O	4229	O	PRO	X	277	-33.157	-11.711	-31.593	1.00	0.00
ATOM N	4230	N	THR	X	278	-35.272	-12.157	-32.382	1.00	0.00
ATOM H	4231	HN	THR	X	278	-36.245	-11.941	-32.405	1.00	0.00
ATOM C	4232	CA	THR	X	278	-34.919	-13.313	-33.118	1.00	0.00
ATOM H	4233	HA	THR	X	278	-34.172	-13.838	-32.541	1.00	0.00
ATOM C	4234	CB	THR	X	278	-36.005	-14.331	-33.355	1.00	0.00
ATOM H	4235	HB	THR	X	278	-35.624	-15.318	-33.693	1.00	0.00
ATOM O	4236	OG1	THR	X	278	-36.981	-13.982	-34.325	1.00	0.00
ATOM H	4237	HG1	THR	X	278	-37.441	-13.195	-34.024	1.00	0.00
ATOM C	4238	CG2	THR	X	278	-36.777	-14.561	-32.057	1.00	0.00
ATOM H	4239	HG21	THR	X	278	-36.097	-14.963	-31.277	1.00	0.00
ATOM H	4240	HG22	THR	X	278	-37.536	-15.367	-32.155	1.00	0.00
ATOM H	4241	HG23	THR	X	278	-37.201	-13.723	-31.463	1.00	0.00
ATOM C	4242	C	THR	X	278	-34.184	-13.043	-34.396	1.00	0.00
ATOM O	4243	O	THR	X	278	-34.141	-11.913	-34.915	1.00	0.00
ATOM N	4244	N	LYS	X	279	-33.381	-14.020	-34.936	1.00	0.00
ATOM H	4245	HN	LYS	X	279	-33.113	-14.915	-34.588	1.00	0.00
ATOM C	4246	CA	LYS	X	279	-32.737	-13.887	-36.201	1.00	0.00
ATOM H	4247	HA	LYS	X	279	-32.076	-14.741	-36.227	1.00	0.00
ATOM C	4248	CB	LYS	X	279	-33.753	-13.964	-37.372	1.00	0.00
ATOM H	4249	HB1	LYS	X	279	-33.187	-13.966	-38.328	1.00	0.00
ATOM H	4250	HB2	LYS	X	279	-34.330	-13.015	-37.344	1.00	0.00

ATOM C	4301	CA	ASP X 282	-28.791	-13.870	-40.123	1.00	0.00
ATOM H	4302	HA	ASP X 282	-28.182	-14.599	-40.636	1.00	0.00
ATOM C	4303	CB	ASP X 282	-30.214	-14.505	-40.245	1.00	0.00
ATOM H	4304	HB1	ASP X 282	-30.645	-14.615	-41.262	1.00	0.00
ATOM H	4305	HB2	ASP X 282	-30.875	-13.674	-39.917	1.00	0.00
ATOM C	4306	CG	ASP X 282	-30.388	-15.791	-39.482	1.00	0.00
ATOM O	4307	OD1	ASP X 282	-31.580	-16.136	-39.210	1.00	0.00
ATOM O	4308	OD2	ASP X 282	-29.446	-16.491	-39.133	1.00	0.00
ATOM C	4309	C	ASP X 282	-28.785	-12.607	-40.966	1.00	0.00
ATOM O	4310	O	ASP X 282	-28.559	-12.580	-42.153	1.00	0.00
ATOM N	4311	N	LEU X 283	-29.046	-11.466	-40.277	1.00	0.00
ATOM H	4312	HN	LEU X 283	-29.208	-11.636	-39.308	1.00	0.00
ATOM C	4313	CA	LEU X 283	-29.322	-10.249	-41.044	1.00	0.00
ATOM H	4314	HA	LEU X 283	-29.708	-10.455	-42.031	1.00	0.00
ATOM C	4315	CB	LEU X 283	-30.502	-9.620	-40.328	1.00	0.00
ATOM H	4316	HB1	LEU X 283	-30.737	-8.724	-40.941	1.00	0.00
ATOM H	4317	HB2	LEU X 283	-30.288	-9.413	-39.258	1.00	0.00
ATOM C	4318	CG	LEU X 283	-31.830	-10.383	-40.362	1.00	0.00
ATOM H	4319	HG	LEU X 283	-31.777	-11.385	-39.885	1.00	0.00
ATOM C	4320	CD1	LEU X 283	-32.835	-9.536	-39.540	1.00	0.00
ATOM H	4321	HD11	LEU X 283	-32.964	-8.503	-39.926	1.00	0.00
ATOM H	4322	HD12	LEU X 283	-32.391	-9.455	-38.525	1.00	0.00
ATOM H	4323	HD13	LEU X 283	-33.770	-10.110	-39.362	1.00	0.00
ATOM C	4324	CD2	LEU X 283	-32.419	-10.637	-41.732	1.00	0.00
ATOM H	4325	HD21	LEU X 283	-32.592	-9.660	-42.233	1.00	0.00

ATOM H	4326	HD22	LEU	X	283	-33.397	-11.160	-41.661	1.00	0.00
ATOM H	4327	HD23	LEU	X	283	-31.732	-11.037	-42.507	1.00	0.00
ATOM C	4328	C	LEU	X	283	-28.083	-9.342	-41.260	1.00	0.00
ATOM O	4329	O	LEU	X	283	-27.092	-9.398	-40.569	1.00	0.00
ATOM N	4330	N	CYS	X	284	-28.166	-8.448	-42.354	1.00	0.00
ATOM H	4331	HN	CYS	X	284	-29.040	-8.348	-42.824	1.00	0.00
ATOM C	4332	CA	CYS	X	284	-27.170	-7.491	-42.592	1.00	0.00
ATOM H	4333	HA	CYS	X	284	-26.411	-7.699	-41.852	1.00	0.00
ATOM C	4334	CB	CYS	X	284	-26.636	-7.899	-44.017	1.00	0.00
ATOM H	4335	HB1	CYS	X	284	-27.431	-7.789	-44.785	1.00	0.00
ATOM H	4336	HB2	CYS	X	284	-26.281	-8.948	-43.922	1.00	0.00
ATOM S	4337	SG	CYS	X	284	-25.352	-6.787	-44.620	1.00	0.00
ATOM H	4338	HG1	CYS	X	284	-26.198	-6.008	-45.279	1.00	0.00
ATOM C	4339	C	CYS	X	284	-27.701	-6.092	-42.569	1.00	0.00
ATOM O	4340	O	CYS	X	284	-28.676	-5.777	-43.213	1.00	0.00
ATOM N	4341	N	PHE	X	285	-27.028	-5.188	-41.757	1.00	0.00
ATOM H	4342	HN	PHE	X	285	-26.197	-5.533	-41.328	1.00	0.00
ATOM C	4343	CA	PHE	X	285	-27.561	-3.836	-41.482	1.00	0.00
ATOM H	4344	HA	PHE	X	285	-28.527	-3.801	-41.964	1.00	0.00
ATOM C	4345	CB	PHE	X	285	-27.658	-3.674	-39.919	1.00	0.00
ATOM H	4346	HB1	PHE	X	285	-27.950	-2.623	-39.709	1.00	0.00
ATOM H	4347	HB2	PHE	X	285	-26.714	-3.959	-39.407	1.00	0.00
ATOM C	4348	CG	PHE	X	285	-28.706	-4.580	-39.318	1.00	0.00
ATOM C	4349	CD1	PHE	X	285	-30.029	-4.329	-39.543	1.00	0.00
ATOM H	4350	HD1	PHE	X	285	-30.298	-3.441	-40.096	1.00	0.00

ATOM H	4376	HN	ASN X 287	-26.732	0.396	-41.205	1.00	0.00
ATOM C	4377	CA	ASN X 287	-24.860	0.968	-40.329	1.00	0.00
ATOM H	4378	HA	ASN X 287	-23.869	0.543	-40.271	1.00	0.00
ATOM C	4379	CB	ASN X 287	-24.609	2.545	-40.454	1.00	0.00
ATOM H	4380	HB1	ASN X 287	-23.868	2.901	-39.707	1.00	0.00
ATOM H	4381	HB2	ASN X 287	-25.501	3.164	-40.221	1.00	0.00
ATOM C	4382	CG	ASN X 287	-23.935	2.997	-41.765	1.00	0.00
ATOM O	4383	OD1	ASN X 287	-22.807	2.791	-42.199	1.00	0.00
ATOM N	4384	ND2	ASN X 287	-24.822	3.774	-42.546	1.00	0.00
ATOM H	4385	HD21	ASN X 287	-24.640	4.119	-43.467	1.00	0.00
ATOM H	4386	HD22	ASN X 287	-25.644	4.167	-42.134	1.00	0.00
ATOM C	4387	C	ASN X 287	-25.482	0.606	-39.002	1.00	0.00
ATOM O	4388	O	ASN X 287	-26.663	0.881	-38.652	1.00	0.00
ATOM N	4389	N	VAL X 288	-24.607	0.177	-38.069	1.00	0.00
ATOM H	4390	HN	VAL X 288	-23.647	0.026	-38.292	1.00	0.00
ATOM C	4391	CA	VAL X 288	-25.108	-0.096	-36.719	1.00	0.00
ATOM H	4392	HA	VAL X 288	-26.139	0.195	-36.581	1.00	0.00
ATOM C	4393	CB	VAL X 288	-25.014	-1.621	-36.317	1.00	0.00
ATOM H	4394	HB	VAL X 288	-24.015	-2.033	-36.575	1.00	0.00
ATOM C	4395	CG1	VAL X 288	-25.397	-1.877	-34.897	1.00	0.00
ATOM H	4396	HG11	VAL X 288	-26.397	-1.466	-34.646	1.00	0.00
ATOM H	4397	HG12	VAL X 288	-24.649	-1.344	-34.271	1.00	0.00
ATOM H	4398	HG13	VAL X 288	-25.363	-2.928	-34.538	1.00	0.00
ATOM C	4399	CG2	VAL X 288	-26.032	-2.381	-37.140	1.00	0.00
ATOM H	4400	HG21	VAL X 288	-27.021	-1.883	-37.046	1.00	0.00

ATOM H	4451	HA	SER X 292	-23.132	2.068	-24.030	1.00	0.00
ATOM C	4452	CB	SER X 292	-20.974	1.726	-24.447	1.00	0.00
ATOM H	4453	HB1	SER X 292	-21.185	0.756	-24.946	1.00	0.00
ATOM H	4454	HB2	SER X 292	-20.876	1.545	-23.355	1.00	0.00
ATOM O	4455	OG	SER X 292	-19.723	2.313	-24.879	1.00	0.00
ATOM H	4456	HG1	SER X 292	-19.747	2.422	-25.832	1.00	0.00
ATOM C	4457	C	SER X 292	-22.201	3.571	-23.121	1.00	0.00
ATOM O	4458	O	SER X 292	-21.574	4.613	-23.155	1.00	0.00
ATOM N	4459	N	PHE X 293	-22.943	3.170	-22.000	1.00	0.00
ATOM H	4460	HN	PHE X 293	-23.526	2.364	-22.071	1.00	0.00
ATOM C	4461	CA	PHE X 293	-22.975	3.996	-20.774	1.00	0.00
ATOM H	4462	HA	PHE X 293	-21.947	4.314	-20.681	1.00	0.00
ATOM C	4463	CB	PHE X 293	-23.921	5.293	-20.984	1.00	0.00
ATOM H	4464	HB1	PHE X 293	-23.441	5.917	-21.768	1.00	0.00
ATOM H	4465	HB2	PHE X 293	-23.971	5.781	-19.988	1.00	0.00
ATOM C	4466	CG	PHE X 293	-25.293	4.963	-21.372	1.00	0.00
ATOM C	4467	CD1	PHE X 293	-26.330	4.583	-20.395	1.00	0.00
ATOM H	4468	HD1	PHE X 293	-26.040	4.499	-19.358	1.00	0.00
ATOM C	4469	CE1	PHE X 293	-27.651	4.460	-20.841	1.00	0.00
ATOM H	4470	HE1	PHE X 293	-28.492	4.227	-20.205	1.00	0.00
ATOM C	4471	CZ	PHE X 293	-27.893	4.586	-22.193	1.00	0.00
ATOM H	4472	HZ	PHE X 293	-28.910	4.604	-22.554	1.00	0.00
ATOM C	4473	CD2	PHE X 293	-25.618	4.981	-22.733	1.00	0.00
ATOM H	4474	HD2	PHE X 293	-24.889	5.111	-23.519	1.00	0.00
ATOM C	4475	CE2	PHE X 293	-26.946	4.879	-23.130	1.00	0.00

ATOM N	4601	NE	ARG	X	301	-37.531	-4.077	-15.072	1.00	0.00
ATOM H	4602	HE	ARG	X	301	-36.769	-4.616	-14.714	1.00	0.00
ATOM C	4603	CZ	ARG	X	301	-38.776	-4.463	-14.722	1.00	0.00
ATOM N	4604	NH1	ARG	X	301	-39.850	-3.752	-15.005	1.00	0.00
ATOM H	4605	HH11	ARG	X	301	-39.808	-2.756	-15.077	1.00	0.00
ATOM H	4606	HH12	ARG	X	301	-40.708	-4.081	-14.611	1.00	0.00
ATOM N	4607	NH2	ARG	X	301	-38.968	-5.519	-14.025	1.00	0.00
ATOM H	4608	HH21	ARG	X	301	-38.310	-6.250	-13.848	1.00	0.00
ATOM H	4609	HH22	ARG	X	301	-39.903	-5.728	-13.736	1.00	0.00
ATOM C	4610	C	ARG	X	301	-36.695	0.990	-17.621	1.00	0.00
ATOM O	4611	O	ARG	X	301	-37.579	0.751	-18.386	1.00	0.00
ATOM N	4612	N	GLN	X	302	-36.150	2.244	-17.484	1.00	0.00
ATOM H	4613	HN	GLN	X	302	-35.327	2.427	-16.952	1.00	0.00
ATOM C	4614	CA	GLN	X	302	-36.473	3.457	-18.267	1.00	0.00
ATOM H	4615	HA	GLN	X	302	-37.457	3.234	-18.653	1.00	0.00
ATOM C	4616	CB	GLN	X	302	-36.534	4.645	-17.304	1.00	0.00
ATOM H	4617	HB1	GLN	X	302	-37.448	4.638	-16.672	1.00	0.00
ATOM H	4618	HB2	GLN	X	302	-36.623	5.516	-17.988	1.00	0.00
ATOM C	4619	CG	GLN	X	302	-35.408	4.814	-16.356	1.00	0.00
ATOM H	4620	HG1	GLN	X	302	-34.530	4.941	-17.025	1.00	0.00
ATOM H	4621	HG2	GLN	X	302	-35.167	3.911	-15.756	1.00	0.00
ATOM C	4622	CD	GLN	X	302	-35.527	6.027	-15.441	1.00	0.00
ATOM O	4623	OE1	GLN	X	302	-35.209	7.156	-15.740	1.00	0.00
ATOM N	4624	NE2	GLN	X	302	-36.102	5.776	-14.248	1.00	0.00
ATOM H	4625	HE21	GLN	X	302	-36.537	4.876	-14.230	1.00	0.00

ATOM O	4876	O	LEU X 318	-36.104	8.873	-28.433	1.00	0.00
ATOM N	4877	N	PRO X 319	-35.180	8.270	-30.370	1.00	0.00
ATOM C	4878	CD	PRO X 319	-34.112	7.669	-31.219	1.00	0.00
ATOM H	4879	HD1	PRO X 319	-33.741	6.709	-30.800	1.00	0.00
ATOM H	4880	HD2	PRO X 319	-33.265	8.384	-31.308	1.00	0.00
ATOM C	4881	CA	PRO X 319	-36.401	8.426	-31.113	1.00	0.00
ATOM H	4882	HA	PRO X 319	-36.885	9.382	-30.976	1.00	0.00
ATOM C	4883	CB	PRO X 319	-35.938	8.257	-32.535	1.00	0.00
ATOM H	4884	HB1	PRO X 319	-35.709	9.279	-32.903	1.00	0.00
ATOM H	4885	HB2	PRO X 319	-36.586	7.861	-33.347	1.00	0.00
ATOM C	4886	CG	PRO X 319	-34.752	7.319	-32.528	1.00	0.00
ATOM H	4887	HG1	PRO X 319	-35.105	6.265	-32.542	1.00	0.00
ATOM H	4888	HG2	PRO X 319	-34.049	7.388	-33.386	1.00	0.00
ATOM C	4889	C	PRO X 319	-37.482	7.404	-30.680	1.00	0.00
ATOM O	4890	O	PRO X 319	-37.131	6.338	-30.190	1.00	0.00
ATOM N	4891	N	ASP X 320	-38.702	7.733	-30.878	1.00	0.00
ATOM H	4892	HN	ASP X 320	-39.077	8.581	-31.244	1.00	0.00
ATOM C	4893	CA	ASP X 320	-39.891	6.833	-30.778	1.00	0.00
ATOM H	4894	HA	ASP X 320	-39.884	6.384	-29.796	1.00	0.00
ATOM C	4895	CB	ASP X 320	-41.237	7.639	-30.936	1.00	0.00
ATOM H	4896	HB1	ASP X 320	-41.286	8.183	-29.968	1.00	0.00
ATOM H	4897	HB2	ASP X 320	-42.170	7.041	-31.021	1.00	0.00
ATOM C	4898	CG	ASP X 320	-41.290	8.657	-32.031	1.00	0.00
ATOM O	4899	OD1	ASP X 320	-42.534	9.064	-32.236	1.00	0.00
ATOM O	4900	OD2	ASP X 320	-40.313	9.204	-32.530	1.00	0.00

ATOM C	4951	CA	GLY X 324	-32.635	-1.974	-32.378	1.00	0.00
ATOM H	4952	HA1	GLY X 324	-31.933	-1.157	-32.290	1.00	0.00
ATOM H	4953	HA2	GLY X 324	-32.273	-2.748	-33.038	1.00	0.00
ATOM C	4954	C	GLY X 324	-32.899	-2.486	-31.025	1.00	0.00
ATOM O	4955	O	GLY X 324	-34.023	-2.617	-30.585	1.00	0.00
ATOM N	4956	N	CYS X 325	-31.772	-2.757	-30.286	1.00	0.00
ATOM H	4957	HN	CYS X 325	-30.871	-2.659	-30.700	1.00	0.00
ATOM C	4958	CA	CYS X 325	-31.727	-3.347	-28.941	1.00	0.00
ATOM H	4959	HA	CYS X 325	-32.767	-3.386	-28.653	1.00	0.00
ATOM C	4960	CB	CYS X 325	-31.234	-4.775	-28.906	1.00	0.00
ATOM H	4961	HB1	CYS X 325	-31.542	-5.227	-27.940	1.00	0.00
ATOM H	4962	HB2	CYS X 325	-30.131	-4.801	-29.039	1.00	0.00
ATOM S	4963	SG	CYS X 325	-31.928	-5.700	-30.290	1.00	0.00
ATOM C	4964	C	CYS X 325	-31.128	-2.480	-27.839	1.00	0.00
ATOM O	4965	O	CYS X 325	-30.419	-1.518	-28.005	1.00	0.00
ATOM N	4966	N	VAL X 326	-31.426	-2.884	-26.585	1.00	0.00
ATOM H	4967	HN	VAL X 326	-31.973	-3.717	-26.548	1.00	0.00
ATOM C	4968	CA	VAL X 326	-30.881	-2.344	-25.328	1.00	0.00
ATOM H	4969	HA	VAL X 326	-30.065	-1.687	-25.591	1.00	0.00
ATOM C	4970	CB	VAL X 326	-32.023	-1.533	-24.623	1.00	0.00
ATOM H	4971	HB	VAL X 326	-32.885	-2.194	-24.389	1.00	0.00
ATOM C	4972	CG1	VAL X 326	-31.468	-1.045	-23.200	1.00	0.00
ATOM H	4973	HG11	VAL X 326	-32.332	-0.535	-22.723	1.00	0.00
ATOM H	4974	HG12	VAL X 326	-30.620	-0.341	-23.337	1.00	0.00
ATOM H	4975	HG13	VAL X 326	-31.045	-1.855	-22.568	1.00	0.00

ATOM C	5051	CA	SER X 331	-21.343	-3.980	-13.131	1.00	0.00
ATOM H	5052	HA	SER X 331	-20.803	-4.827	-13.526	1.00	0.00
ATOM C	5053	CB	SER X 331	-20.945	-2.957	-14.252	1.00	0.00
ATOM H	5054	HB1	SER X 331	-21.321	-2.022	-13.783	1.00	0.00
ATOM H	5055	HB2	SER X 331	-21.575	-3.117	-15.153	1.00	0.00
ATOM O	5056	OG	SER X 331	-19.553	-2.892	-14.535	1.00	0.00
ATOM H	5057	HG1	SER X 331	-19.322	-1.961	-14.569	1.00	0.00
ATOM C	5058	C	SER X 331	-20.768	-3.660	-11.779	1.00	0.00
ATOM O	5059	O	SER X 331	-19.733	-3.059	-11.768	1.00	0.00
ATOM N	5060	N	ASN X 332	-21.335	-4.039	-10.523	1.00	0.00
ATOM H	5061	HN	ASN X 332	-22.166	-4.585	-10.592	1.00	0.00
ATOM C	5062	CA	ASN X 332	-20.811	-3.822	-9.164	1.00	0.00
ATOM H	5063	HA	ASN X 332	-20.980	-2.790	-8.894	1.00	0.00
ATOM C	5064	CB	ASN X 332	-21.449	-4.915	-8.299	1.00	0.00
ATOM H	5065	HB1	ASN X 332	-21.174	-5.942	-8.619	1.00	0.00
ATOM H	5066	HB2	ASN X 332	-22.535	-5.004	-8.516	1.00	0.00
ATOM C	5067	CG	ASN X 332	-21.169	-4.810	-6.808	1.00	0.00
ATOM O	5068	OD1	ASN X 332	-20.720	-3.715	-6.326	1.00	0.00
ATOM N	5069	ND2	ASN X 332	-21.318	-5.919	-6.012	1.00	0.00
ATOM H	5070	HD21	ASN X 332	-20.750	-5.940	-5.189	1.00	0.00
ATOM H	5071	HD22	ASN X 332	-21.610	-6.807	-6.367	1.00	0.00
ATOM C	5072	C	ASN X 332	-19.359	-4.036	-9.189	1.00	0.00
ATOM O	5073	O	ASN X 332	-18.588	-3.174	-8.711	1.00	0.00
ATOM N	5074	N	ASN X 333	-18.859	-5.194	-9.589	1.00	0.00
ATOM H	5075	HN	ASN X 333	-19.440	-5.947	-9.885	1.00	0.00

ATOM O	5126	OG	SER X 336	-20.453	-0.294	-5.818	1.00	0.00
ATOM H	5127	HG1	SER X 336	-21.341	-0.638	-5.938	1.00	0.00
ATOM C	5128	C	SER X 336	-17.523	0.021	-6.586	1.00	0.00
ATOM O	5129	O	SER X 336	-16.713	-0.883	-6.664	1.00	0.00
ATOM N	5130	N	LYS X 337	-17.513	0.948	-5.634	1.00	0.00
ATOM H	5131	HN	LYS X 337	-18.203	1.664	-5.701	1.00	0.00
ATOM C	5132	CA	LYS X 337	-16.342	1.171	-4.805	1.00	0.00
ATOM H	5133	HA	LYS X 337	-15.801	0.240	-4.720	1.00	0.00
ATOM C	5134	CB	LYS X 337	-15.380	2.288	-5.314	1.00	0.00
ATOM H	5135	HB1	LYS X 337	-14.452	2.385	-4.710	1.00	0.00
ATOM H	5136	HB2	LYS X 337	-15.950	3.241	-5.275	1.00	0.00
ATOM C	5137	CG	LYS X 337	-14.823	2.108	-6.790	1.00	0.00
ATOM H	5138	HG1	LYS X 337	-14.384	3.036	-7.214	1.00	0.00
ATOM H	5139	HG2	LYS X 337	-15.709	1.965	-7.445	1.00	0.00
ATOM C	5140	CD	LYS X 337	-13.861	0.923	-6.866	1.00	0.00
ATOM H	5141	HD1	LYS X 337	-13.743	0.690	-7.945	1.00	0.00
ATOM H	5142	HD2	LYS X 337	-14.289	0.012	-6.394	1.00	0.00
ATOM C	5143	CE	LYS X 337	-12.417	1.164	-6.202	1.00	0.00
ATOM H	5144	HE1	LYS X 337	-12.497	1.236	-5.096	1.00	0.00
ATOM H	5145	HE2	LYS X 337	-11.933	2.079	-6.603	1.00	0.00
ATOM N	5146	NZ	LYS X 337	-11.535	0.091	-6.439	1.00	0.00
ATOM H	5147	HZ1	LYS X 337	-10.681	0.044	-5.848	1.00	0.00
ATOM H	5148	HZ2	LYS X 337	-11.228	-0.001	-7.428	1.00	0.00
ATOM H	5149	HZ3	LYS X 337	-12.040	-0.808	-6.301	1.00	0.00
ATOM C	5150	C	LYS X 337	-16.791	1.590	-3.397	1.00	0.00

ATOM O	5251	O	TYR X 344	-21.199	9.703	-11.519	1.00	0.00
ATOM N	5252	N	LEU X 345	-21.221	10.542	-13.652	1.00	0.00
ATOM H	5253	HN	LEU X 345	-20.943	10.397	-14.598	1.00	0.00
ATOM C	5254	CA	LEU X 345	-22.089	11.681	-13.512	1.00	0.00
ATOM H	5255	HA	LEU X 345	-22.487	11.831	-12.519	1.00	0.00
ATOM C	5256	CB	LEU X 345	-21.230	12.948	-13.781	1.00	0.00
ATOM H	5257	HB1	LEU X 345	-21.755	13.919	-13.657	1.00	0.00
ATOM H	5258	HB2	LEU X 345	-20.877	12.874	-14.832	1.00	0.00
ATOM C	5259	CG	LEU X 345	-20.001	13.143	-12.756	1.00	0.00
ATOM H	5260	HG	LEU X 345	-20.043	12.189	-12.187	1.00	0.00
ATOM C	5261	CD1	LEU X 345	-18.649	13.331	-13.451	1.00	0.00
ATOM H	5262	HD11	LEU X 345	-17.753	13.323	-12.794	1.00	0.00
ATOM H	5263	HD12	LEU X 345	-18.603	14.241	-14.087	1.00	0.00
ATOM H	5264	HD13	LEU X 345	-18.684	12.432	-14.102	1.00	0.00
ATOM C	5265	CD2	LEU X 345	-20.271	14.256	-11.767	1.00	0.00
ATOM H	5266	HD21	LEU X 345	-21.095	14.091	-11.040	1.00	0.00
ATOM H	5267	HD22	LEU X 345	-20.419	15.210	-12.318	1.00	0.00
ATOM H	5268	HD23	LEU X 345	-19.361	14.465	-11.165	1.00	0.00
ATOM C	5269	C	LEU X 345	-23.300	11.607	-14.452	1.00	0.00
ATOM O	5270	O	LEU X 345	-23.399	10.994	-15.459	1.00	0.00
ATOM N	5271	N	TYR X 346	-24.307	12.376	-14.100	1.00	0.00
ATOM H	5272	HN	TYR X 346	-24.442	12.650	-13.151	1.00	0.00
ATOM C	5273	CA	TYR X 346	-25.574	12.386	-14.787	1.00	0.00
ATOM H	5274	HA	TYR X 346	-25.457	12.168	-15.839	1.00	0.00
ATOM C	5275	CB	TYR X 346	-26.744	11.411	-14.323	1.00	0.00

ATOM N	5401	N	SER X 352	-33.889	22.943	-21.338	1.00	0.00
ATOM H	5402	HN	SER X 352	-33.005	22.487	-21.278	1.00	0.00
ATOM C	5403	CA	SER X 352	-34.688	22.350	-22.478	1.00	0.00
ATOM H	5404	HA	SER X 352	-35.718	22.541	-22.217	1.00	0.00
ATOM C	5405	CB	SER X 352	-34.338	22.980	-23.861	1.00	0.00
ATOM H	5406	HB1	SER X 352	-33.368	22.589	-24.236	1.00	0.00
ATOM H	5407	HB2	SER X 352	-34.263	24.085	-23.771	1.00	0.00
ATOM O	5408	OG	SER X 352	-35.380	22.735	-24.827	1.00	0.00
ATOM H	5409	HG1	SER X 352	-36.223	22.869	-24.389	1.00	0.00
ATOM C	5410	C	SER X 352	-34.443	20.841	-22.559	1.00	0.00
ATOM O	5411	O	SER X 352	-33.300	20.402	-22.290	1.00	0.00
ATOM N	5412	N	ASN X 353	-35.376	19.997	-22.851	1.00	0.00
ATOM H	5413	HN	ASN X 353	-36.305	20.320	-23.014	1.00	0.00
ATOM C	5414	CA	ASN X 353	-35.323	18.544	-22.973	1.00	0.00
ATOM H	5415	HA	ASN X 353	-34.838	18.132	-22.100	1.00	0.00
ATOM C	5416	CB	ASN X 353	-36.716	17.811	-23.115	1.00	0.00
ATOM H	5417	HB1	ASN X 353	-36.547	16.713	-23.152	1.00	0.00
ATOM H	5418	HB2	ASN X 353	-37.256	18.023	-24.062	1.00	0.00
ATOM C	5419	CG	ASN X 353	-37.622	18.209	-22.025	1.00	0.00
ATOM O	5420	OD1	ASN X 353	-37.187	18.502	-20.817	1.00	0.00
ATOM N	5421	ND2	ASN X 353	-38.937	18.279	-22.171	1.00	0.00
ATOM H	5422	HD21	ASN X 353	-39.453	18.601	-21.377	1.00	0.00
ATOM H	5423	HD22	ASN X 353	-39.399	18.333	-23.056	1.00	0.00
ATOM C	5424	C	ASN X 353	-34.424	18.135	-24.159	1.00	0.00
ATOM O	5425	O	ASN X 353	-34.355	18.812	-25.137	1.00	0.00

ATOM N	5426	N	LEU X 354	-33.856	16.855	-24.173	1.00	0.00
ATOM H	5427	HN	LEU X 354	-33.703	16.329	-23.340	1.00	0.00
ATOM C	5428	CA	LEU X 354	-33.036	16.417	-25.261	1.00	0.00
ATOM H	5429	HA	LEU X 354	-32.518	17.328	-25.524	1.00	0.00
ATOM C	5430	CB	LEU X 354	-32.012	15.406	-24.917	1.00	0.00
ATOM H	5431	HB1	LEU X 354	-31.333	15.316	-25.791	1.00	0.00
ATOM H	5432	HB2	LEU X 354	-32.448	14.416	-24.666	1.00	0.00
ATOM C	5433	CG	LEU X 354	-31.101	15.917	-23.742	1.00	0.00
ATOM H	5434	HG	LEU X 354	-31.663	15.837	-22.787	1.00	0.00
ATOM C	5435	CD1	LEU X 354	-29.905	14.915	-23.554	1.00	0.00
ATOM H	5436	HD11	LEU X 354	-29.439	14.938	-22.545	1.00	0.00
ATOM H	5437	HD12	LEU X 354	-29.166	15.037	-24.374	1.00	0.00
ATOM H	5438	HD13	LEU X 354	-30.200	13.845	-23.582	1.00	0.00
ATOM C	5439	CD2	LEU X 354	-30.482	17.293	-23.788	1.00	0.00
ATOM H	5440	HD21	LEU X 354	-29.748	17.495	-22.978	1.00	0.00
ATOM H	5441	HD22	LEU X 354	-31.265	18.069	-23.926	1.00	0.00
ATOM H	5442	HD23	LEU X 354	-29.782	17.348	-24.649	1.00	0.00
ATOM C	5443	C	LEU X 354	-33.816	15.891	-26.443	1.00	0.00
ATOM O	5444	O	LEU X 354	-34.965	15.418	-26.257	1.00	0.00
ATOM N	5445	N	LYS X 355	-33.366	16.095	-27.662	1.00	0.00
ATOM H	5446	HN	LYS X 355	-32.519	16.554	-27.919	1.00	0.00
ATOM C	5447	CA	LYS X 355	-33.967	15.415	-28.851	1.00	0.00
ATOM H	5448	HA	LYS X 355	-35.013	15.284	-28.615	1.00	0.00
ATOM C	5449	CB	LYS X 355	-33.670	16.357	-30.035	1.00	0.00
ATOM H	5450	HB1	LYS X 355	-34.192	15.898	-30.902	1.00	0.00

ATOM H	5601	HB1	GLU	X	364	-22.330	27.480	-18.526	1.00	0.00
ATOM H	5602	HB2	GLU	X	364	-22.717	26.114	-19.488	1.00	0.00
ATOM C	5603	CG	GLU	X	364	-20.774	26.791	-19.706	1.00	0.00
ATOM H	5604	HG1	GLU	X	364	-20.602	25.845	-20.263	1.00	0.00
ATOM H	5605	HG2	GLU	X	364	-19.895	27.102	-19.101	1.00	0.00
ATOM C	5606	CD	GLU	X	364	-21.130	27.905	-20.694	1.00	0.00
ATOM O	5607	OE1	GLU	X	364	-21.216	29.184	-20.389	1.00	0.00
ATOM O	5608	OE2	GLU	X	364	-21.262	27.545	-21.888	1.00	0.00
ATOM C	5609	C	GLU	X	364	-22.819	25.680	-16.357	1.00	0.00
ATOM O	5610	O	GLU	X	364	-23.693	24.836	-16.297	1.00	0.00
ATOM N	5611	N	ILE	X	365	-22.602	26.615	-15.331	1.00	0.00
ATOM H	5612	HN	ILE	X	365	-21.763	27.154	-15.347	1.00	0.00
ATOM C	5613	CA	ILE	X	365	-23.389	26.549	-14.074	1.00	0.00
ATOM H	5614	HA	ILE	X	365	-23.239	25.536	-13.730	1.00	0.00
ATOM C	5615	CB	ILE	X	365	-22.788	27.476	-12.890	1.00	0.00
ATOM H	5616	HB	ILE	X	365	-21.776	27.719	-13.280	1.00	0.00
ATOM C	5617	CG2	ILE	X	365	-23.413	28.867	-12.893	1.00	0.00
ATOM H	5618	HG21	ILE	X	365	-22.885	29.370	-12.055	1.00	0.00
ATOM H	5619	HG22	ILE	X	365	-24.481	28.909	-12.587	1.00	0.00
ATOM H	5620	HG23	ILE	X	365	-23.158	29.368	-13.851	1.00	0.00
ATOM C	5621	CG1	ILE	X	365	-22.883	26.756	-11.524	1.00	0.00
ATOM H	5622	HG11	ILE	X	365	-22.910	25.650	-11.621	1.00	0.00
ATOM H	5623	HG12	ILE	X	365	-23.876	27.064	-11.131	1.00	0.00
ATOM C	5624	CD	ILE	X	365	-21.814	27.084	-10.465	1.00	0.00
ATOM H	5625	HD1	ILE	X	365	-21.931	28.158	-10.206	1.00	0.00

ATOM H	5626	HD2	ILE	X	365	-20.818	26.796	-10.866	1.00	0.00
ATOM H	5627	HD3	ILE	X	365	-22.022	26.520	-9.531	1.00	0.00
ATOM C	5628	C	ILE	X	365	-24.875	26.744	-14.369	1.00	0.00
ATOM O	5629	O	ILE	X	365	-25.243	27.654	-15.130	1.00	0.00
ATOM N	5630	N	TYR	X	366	-25.802	26.029	-13.656	1.00	0.00
ATOM H	5631	HN	TYR	X	366	-25.431	25.525	-12.880	1.00	0.00
ATOM C	5632	CA	TYR	X	366	-27.261	26.209	-13.919	1.00	0.00
ATOM H	5633	HA	TYR	X	366	-27.269	26.667	-14.897	1.00	0.00
ATOM C	5634	CB	TYR	X	366	-28.036	24.837	-13.843	1.00	0.00
ATOM H	5635	HB1	TYR	X	366	-27.652	24.520	-12.850	1.00	0.00
ATOM H	5636	HB2	TYR	X	366	-27.553	24.088	-14.506	1.00	0.00
ATOM C	5637	CG	TYR	X	366	-29.550	24.868	-13.859	1.00	0.00
ATOM C	5638	CD1	TYR	X	366	-30.251	24.592	-15.029	1.00	0.00
ATOM H	5639	HD1	TYR	X	366	-29.669	24.435	-15.926	1.00	0.00
ATOM C	5640	CE1	TYR	X	366	-31.671	24.551	-15.129	1.00	0.00
ATOM H	5641	HE1	TYR	X	366	-32.065	24.453	-16.129	1.00	0.00
ATOM C	5642	CZ	TYR	X	366	-32.394	24.731	-13.992	1.00	0.00
ATOM O	5643	OH	TYR	X	366	-33.802	24.657	-14.224	1.00	0.00
ATOM H	5644	HH	TYR	X	366	-34.228	24.980	-13.427	1.00	0.00
ATOM C	5645	CD2	TYR	X	366	-30.343	24.942	-12.683	1.00	0.00
ATOM H	5646	HD2	TYR	X	366	-29.806	25.039	-11.751	1.00	0.00
ATOM C	5647	CE2	TYR	X	366	-31.785	24.909	-12.750	1.00	0.00
ATOM H	5648	HE2	TYR	X	366	-32.423	24.873	-11.880	1.00	0.00
ATOM C	5649	C	TYR	X	366	-27.889	27.252	-12.982	1.00	0.00
ATOM O	5650	O	TYR	X	366	-27.913	27.138	-11.727	1.00	0.00

ATOM N	5651	N	GLN X 367	-28.509	28.380	-13.504	1.00	0.00
ATOM H	5652	HN	GLN X 367	-28.455	28.445	-14.498	1.00	0.00
ATOM C	5653	CA	GLN X 367	-29.283	29.367	-12.688	1.00	0.00
ATOM H	5654	HA	GLN X 367	-29.034	29.160	-11.658	1.00	0.00
ATOM C	5655	CB	GLN X 367	-28.980	30.859	-13.141	1.00	0.00
ATOM H	5656	HB1	GLN X 367	-29.476	31.600	-12.478	1.00	0.00
ATOM H	5657	HB2	GLN X 367	-29.384	30.885	-14.176	1.00	0.00
ATOM C	5658	CG	GLN X 367	-27.456	31.257	-13.221	1.00	0.00
ATOM H	5659	HG1	GLN X 367	-26.914	30.412	-13.698	1.00	0.00
ATOM H	5660	HG2	GLN X 367	-27.239	31.308	-12.133	1.00	0.00
ATOM C	5661	CD	GLN X 367	-27.296	32.601	-13.938	1.00	0.00
ATOM O	5662	OE1	GLN X 367	-27.009	33.653	-13.340	1.00	0.00
ATOM N	5663	NE2	GLN X 367	-27.582	32.570	-15.295	1.00	0.00
ATOM H	5664	HE21	GLN X 367	-27.166	33.296	-15.842	1.00	0.00
ATOM H	5665	HE22	GLN X 367	-27.922	31.712	-15.681	1.00	0.00
ATOM C	5666	C	GLN X 367	-30.768	29.051	-12.803	1.00	0.00
ATOM O	5667	O	GLN X 367	-31.280	29.097	-13.923	1.00	0.00
ATOM N	5668	N	ALA X 368	-31.468	28.743	-11.687	1.00	0.00
ATOM H	5669	HN	ALA X 368	-31.057	28.826	-10.782	1.00	0.00
ATOM C	5670	CA	ALA X 368	-32.900	28.360	-11.668	1.00	0.00
ATOM H	5671	HA	ALA X 368	-32.907	27.588	-12.424	1.00	0.00
ATOM C	5672	CB	ALA X 368	-33.292	27.457	-10.503	1.00	0.00
ATOM H	5673	HB1	ALA X 368	-32.489	26.766	-10.169	1.00	0.00
ATOM H	5674	HB2	ALA X 368	-34.246	26.916	-10.680	1.00	0.00
ATOM H	5675	HB3	ALA X 368	-33.546	28.207	-9.724	1.00	0.00

ATOM C	5876	C	PHE X 383	-25.062	21.679	-11.317	1.00	0.00
ATOM O	5877	O	PHE X 383	-25.784	21.010	-10.620	1.00	0.00
ATOM N	5878	N	PRO X 384	-25.097	21.572	-12.650	1.00	0.00
ATOM C	5879	CD	PRO X 384	-24.239	22.365	-13.609	1.00	0.00
ATOM H	5880	HD1	PRO X 384	-23.202	22.489	-13.230	1.00	0.00
ATOM H	5881	HD2	PRO X 384	-24.639	23.383	-13.804	1.00	0.00
ATOM C	5882	CA	PRO X 384	-25.963	20.566	-13.377	1.00	0.00
ATOM H	5883	HA	PRO X 384	-26.957	20.727	-12.984	1.00	0.00
ATOM C	5884	CB	PRO X 384	-25.719	21.014	-14.848	1.00	0.00
ATOM H	5885	HB1	PRO X 384	-26.530	21.771	-14.885	1.00	0.00
ATOM H	5886	HB2	PRO X 384	-25.971	20.267	-15.631	1.00	0.00
ATOM C	5887	CG	PRO X 384	-24.348	21.569	-14.889	1.00	0.00
ATOM H	5888	HG1	PRO X 384	-23.594	20.759	-14.991	1.00	0.00
ATOM H	5889	HG2	PRO X 384	-24.058	22.177	-15.773	1.00	0.00
ATOM C	5890	C	PRO X 384	-25.756	19.080	-13.086	1.00	0.00
ATOM O	5891	O	PRO X 384	-26.695	18.281	-13.103	1.00	0.00
ATOM N	5892	N	LEU X 385	-24.508	18.714	-12.776	1.00	0.00
ATOM H	5893	HN	LEU X 385	-23.780	19.383	-12.902	1.00	0.00
ATOM C	5894	CA	LEU X 385	-24.064	17.305	-12.877	1.00	0.00
ATOM H	5895	HA	LEU X 385	-24.866	16.731	-13.317	1.00	0.00
ATOM C	5896	CB	LEU X 385	-22.791	17.110	-13.843	1.00	0.00
ATOM H	5897	HB1	LEU X 385	-22.719	16.020	-14.050	1.00	0.00
ATOM H	5898	HB2	LEU X 385	-21.778	17.355	-13.459	1.00	0.00
ATOM C	5899	CG	LEU X 385	-22.742	17.838	-15.206	1.00	0.00
ATOM H	5900	HG	LEU X 385	-22.689	18.902	-14.891	1.00	0.00

ATOM C	5926	C	GLN X 386	-23.712	13.414	-10.190	1.00	0.00
ATOM O	5927	O	GLN X 386	-24.101	12.768	-11.135	1.00	0.00
ATOM N	5928	N	SER X 387	-22.778	13.039	-9.352	1.00	0.00
ATOM H	5929	HN	SER X 387	-22.508	13.531	-8.528	1.00	0.00
ATOM C	5930	CA	SER X 387	-22.118	11.757	-9.458	1.00	0.00
ATOM H	5931	HA	SER X 387	-22.048	11.601	-10.524	1.00	0.00
ATOM C	5932	CB	SER X 387	-20.696	11.425	-9.010	1.00	0.00
ATOM H	5933	HB1	SER X 387	-19.962	12.079	-9.528	1.00	0.00
ATOM H	5934	HB2	SER X 387	-20.386	10.361	-9.094	1.00	0.00
ATOM O	5935	OG	SER X 387	-20.581	11.753	-7.578	1.00	0.00
ATOM H	5936	HG1	SER X 387	-20.320	12.676	-7.539	1.00	0.00
ATOM C	5937	C	SER X 387	-23.003	10.742	-8.785	1.00	0.00
ATOM O	5938	O	SER X 387	-23.647	11.071	-7.796	1.00	0.00
ATOM N	5939	N	TYR X 388	-23.059	9.481	-9.307	1.00	0.00
ATOM H	5940	HN	TYR X 388	-22.561	9.313	-10.154	1.00	0.00
ATOM C	5941	CA	TYR X 388	-23.854	8.390	-8.761	1.00	0.00
ATOM H	5942	HA	TYR X 388	-24.885	8.703	-8.682	1.00	0.00
ATOM C	5943	CB	TYR X 388	-23.798	7.160	-9.611	1.00	0.00
ATOM H	5944	HB1	TYR X 388	-24.045	6.199	-9.111	1.00	0.00
ATOM H	5945	HB2	TYR X 388	-22.813	7.058	-10.114	1.00	0.00
ATOM C	5946	CG	TYR X 388	-24.815	7.181	-10.765	1.00	0.00
ATOM C	5947	CD1	TYR X 388	-26.197	7.181	-10.459	1.00	0.00
ATOM H	5948	HD1	TYR X 388	-26.481	7.143	-9.417	1.00	0.00
ATOM C	5949	CE1	TYR X 388	-27.215	7.148	-11.431	1.00	0.00
ATOM H	5950	HE1	TYR X 388	-28.244	6.970	-11.155	1.00	0.00

ATOM H	6001	HE22	GLN	X	391	-21.602	6.417	0.060	1.00	0.00
ATOM C	6002	C	GLN	X	391	-21.588	0.473	-2.785	1.00	0.00
ATOM O	6003	O	GLN	X	391	-22.841	0.539	-2.742	1.00	0.00
ATOM N	6004	N	PRO	X	392	-21.084	-0.660	-2.491	1.00	0.00
ATOM C	6005	CD	PRO	X	392	-19.575	-0.774	-2.395	1.00	0.00
ATOM H	6006	HD1	PRO	X	392	-19.063	-0.221	-1.578	1.00	0.00
ATOM H	6007	HD2	PRO	X	392	-19.063	-0.552	-3.355	1.00	0.00
ATOM C	6008	CA	PRO	X	392	-21.771	-1.943	-2.710	1.00	0.00
ATOM H	6009	HA	PRO	X	392	-22.391	-1.833	-3.587	1.00	0.00
ATOM C	6010	CB	PRO	X	392	-20.618	-2.939	-2.947	1.00	0.00
ATOM H	6011	HB1	PRO	X	392	-20.191	-2.799	-3.963	1.00	0.00
ATOM H	6012	HB2	PRO	X	392	-20.822	-4.013	-2.746	1.00	0.00
ATOM C	6013	CG	PRO	X	392	-19.458	-2.234	-2.075	1.00	0.00
ATOM H	6014	HG1	PRO	X	392	-19.636	-2.443	-0.999	1.00	0.00
ATOM H	6015	HG2	PRO	X	392	-18.481	-2.649	-2.403	1.00	0.00
ATOM C	6016	C	PRO	X	392	-22.664	-2.286	-1.555	1.00	0.00
ATOM O	6017	O	PRO	X	392	-23.233	-3.337	-1.632	1.00	0.00
ATOM N	6018	N	THR	X	393	-22.711	-1.501	-0.417	1.00	0.00
ATOM H	6019	HN	THR	X	393	-22.132	-0.705	-0.258	1.00	0.00
ATOM C	6020	CA	THR	X	393	-23.595	-1.788	0.704	1.00	0.00
ATOM H	6021	HA	THR	X	393	-23.842	-2.824	0.883	1.00	0.00
ATOM C	6022	CB	THR	X	393	-22.871	-1.452	2.070	1.00	0.00
ATOM H	6023	HB	THR	X	393	-23.613	-1.559	2.890	1.00	0.00
ATOM O	6024	OG1	THR	X	393	-22.345	-0.144	2.000	1.00	0.00
ATOM H	6025	HG1	THR	X	393	-23.054	0.487	2.144	1.00	0.00

ATOM C	6151	CA	ARG X 402	-23.178	-1.237	-17.751	1.00	0.00
ATOM H	6152	HA	ARG X 402	-23.008	-0.170	-17.780	1.00	0.00
ATOM C	6153	CB	ARG X 402	-21.898	-1.977	-18.133	1.00	0.00
ATOM H	6154	HB1	ARG X 402	-21.721	-1.909	-19.227	1.00	0.00
ATOM H	6155	HB2	ARG X 402	-22.079	-3.056	-17.940	1.00	0.00
ATOM C	6156	CG	ARG X 402	-20.665	-1.421	-17.409	1.00	0.00
ATOM H	6157	HG1	ARG X 402	-20.865	-1.447	-16.317	1.00	0.00
ATOM H	6158	HG2	ARG X 402	-20.590	-0.329	-17.601	1.00	0.00
ATOM C	6159	CD	ARG X 402	-19.368	-2.078	-17.585	1.00	0.00
ATOM H	6160	HD1	ARG X 402	-19.134	-2.288	-18.651	1.00	0.00
ATOM H	6161	HD2	ARG X 402	-19.365	-3.075	-17.095	1.00	0.00
ATOM N	6162	NE	ARG X 402	-18.319	-1.278	-16.896	1.00	0.00
ATOM H	6163	HE	ARG X 402	-18.644	-0.698	-16.149	1.00	0.00
ATOM C	6164	CZ	ARG X 402	-17.021	-1.297	-17.101	1.00	0.00
ATOM N	6165	NH1	ARG X 402	-16.466	-2.074	-18.019	1.00	0.00
ATOM H	6166	HH11	ARG X 402	-16.923	-2.845	-18.462	1.00	0.00
ATOM H	6167	HH12	ARG X 402	-15.482	-2.207	-17.899	1.00	0.00
ATOM N	6168	NH2	ARG X 402	-16.246	-0.593	-16.336	1.00	0.00
ATOM H	6169	HH21	ARG X 402	-16.751	-0.028	-15.683	1.00	0.00
ATOM H	6170	HH22	ARG X 402	-15.259	-0.590	-16.494	1.00	0.00
ATOM C	6171	C	ARG X 402	-24.181	-1.601	-18.834	1.00	0.00
ATOM O	6172	O	ARG X 402	-24.790	-2.665	-18.887	1.00	0.00
ATOM N	6173	N	VAL X 403	-24.378	-0.592	-19.727	1.00	0.00
ATOM H	6174	HN	VAL X 403	-23.988	0.287	-19.463	1.00	0.00
ATOM C	6175	CA	VAL X 403	-25.363	-0.562	-20.741	1.00	0.00

ATOM H	6201	HG22	VAL X 404	-22.776	-2.142	-23.450	1.00	0.00
ATOM H	6202	HG23	VAL X 404	-22.356	-0.731	-24.367	1.00	0.00
ATOM C	6203	C	VAL X 404	-26.294	-0.865	-25.146	1.00	0.00
ATOM O	6204	O	VAL X 404	-27.109	-1.796	-25.038	1.00	0.00
ATOM N	6205	N	VAL X 405	-26.542	0.184	-25.988	1.00	0.00
ATOM H	6206	HN	VAL X 405	-25.778	0.825	-25.971	1.00	0.00
ATOM C	6207	CA	VAL X 405	-27.597	0.265	-26.926	1.00	0.00
ATOM H	6208	HA	VAL X 405	-28.368	-0.408	-26.583	1.00	0.00
ATOM C	6209	CB	VAL X 405	-28.210	1.698	-27.018	1.00	0.00
ATOM H	6210	HB	VAL X 405	-27.406	2.464	-27.047	1.00	0.00
ATOM C	6211	CG1	VAL X 405	-29.345	1.785	-28.033	1.00	0.00
ATOM H	6212	HG11	VAL X 405	-29.073	1.925	-29.101	1.00	0.00
ATOM H	6213	HG12	VAL X 405	-30.002	2.638	-27.759	1.00	0.00
ATOM H	6214	HG13	VAL X 405	-29.960	0.861	-27.977	1.00	0.00
ATOM C	6215	CG2	VAL X 405	-28.886	1.846	-25.668	1.00	0.00
ATOM H	6216	HG21	VAL X 405	-28.176	1.635	-24.840	1.00	0.00
ATOM H	6217	HG22	VAL X 405	-29.723	1.129	-25.525	1.00	0.00
ATOM H	6218	HG23	VAL X 405	-29.213	2.898	-25.526	1.00	0.00
ATOM C	6219	C	VAL X 405	-27.041	-0.177	-28.325	1.00	0.00
ATOM O	6220	O	VAL X 405	-25.914	0.166	-28.685	1.00	0.00
ATOM N	6221	N	LEU X 406	-27.846	-0.910	-29.079	1.00	0.00
ATOM H	6222	HN	LEU X 406	-28.693	-1.349	-28.787	1.00	0.00
ATOM C	6223	CA	LEU X 406	-27.491	-1.177	-30.469	1.00	0.00
ATOM H	6224	HA	LEU X 406	-26.570	-0.667	-30.710	1.00	0.00
ATOM C	6225	CB	LEU X 406	-27.375	-2.679	-30.729	1.00	0.00

ATOM N	6251	N	PHE X 408	-30.054	-0.004	-35.160	1.00	0.00
ATOM H	6252	HN	PHE X 408	-31.009	-0.029	-34.876	1.00	0.00
ATOM C	6253	CA	PHE X 408	-29.908	-0.555	-36.473	1.00	0.00
ATOM H	6254	HA	PHE X 408	-28.884	-0.623	-36.810	1.00	0.00
ATOM C	6255	CB	PHE X 408	-30.571	-1.938	-36.655	1.00	0.00
ATOM H	6256	HB1	PHE X 408	-30.321	-2.399	-37.635	1.00	0.00
ATOM H	6257	HB2	PHE X 408	-31.674	-1.811	-36.635	1.00	0.00
ATOM C	6258	CG	PHE X 408	-30.352	-2.916	-35.547	1.00	0.00
ATOM C	6259	CD1	PHE X 408	-29.169	-3.132	-34.878	1.00	0.00
ATOM H	6260	HD1	PHE X 408	-28.401	-2.434	-35.178	1.00	0.00
ATOM C	6261	CE1	PHE X 408	-28.992	-4.123	-33.917	1.00	0.00
ATOM H	6262	HE1	PHE X 408	-28.085	-4.358	-33.380	1.00	0.00
ATOM C	6263	CZ	PHE X 408	-30.045	-5.056	-33.788	1.00	0.00
ATOM H	6264	HZ	PHE X 408	-29.863	-5.836	-33.063	1.00	0.00
ATOM C	6265	CD2	PHE X 408	-31.394	-3.880	-35.378	1.00	0.00
ATOM H	6266	HD2	PHE X 408	-32.301	-3.806	-35.960	1.00	0.00
ATOM C	6267	CE2	PHE X 408	-31.235	-4.961	-34.501	1.00	0.00
ATOM H	6268	HE2	PHE X 408	-32.043	-5.660	-34.342	1.00	0.00
ATOM C	6269	C	PHE X 408	-30.414	0.446	-37.460	1.00	0.00
ATOM O	6270	O	PHE X 408	-31.591	0.931	-37.333	1.00	0.00
ATOM N	6271	N	GLU X 409	-29.595	0.795	-38.501	1.00	0.00
ATOM H	6272	HN	GLU X 409	-28.649	0.508	-38.629	1.00	0.00
ATOM C	6273	CA	GLU X 409	-29.966	1.734	-39.538	1.00	0.00
ATOM H	6274	HA	GLU X 409	-31.023	1.942	-39.453	1.00	0.00
ATOM C	6275	CB	GLU X 409	-29.186	3.141	-39.561	1.00	0.00

ATOM H	6276	HB1	GLU	X	409	-28.113	2.909	-39.388	1.00	0.00
ATOM H	6277	HB2	GLU	X	409	-29.488	3.656	-38.624	1.00	0.00
ATOM C	6278	CG	GLU	X	409	-29.207	4.078	-40.800	1.00	0.00
ATOM H	6279	HG1	GLU	X	409	-30.201	4.563	-40.904	1.00	0.00
ATOM H	6280	HG2	GLU	X	409	-29.219	3.509	-41.754	1.00	0.00
ATOM C	6281	CD	GLU	X	409	-28.140	5.136	-40.688	1.00	0.00
ATOM O	6282	OE1	GLU	X	409	-28.455	6.089	-39.941	1.00	0.00
ATOM O	6283	OE2	GLU	X	409	-27.136	5.110	-41.404	1.00	0.00
ATOM C	6284	C	GLU	X	409	-29.841	1.002	-40.841	1.00	0.00
ATOM O	6285	O	GLU	X	409	-28.773	0.366	-41.164	1.00	0.00
ATOM N	6286	N	LEU	X	410	-30.935	1.068	-41.630	1.00	0.00
ATOM H	6287	HN	LEU	X	410	-31.619	1.747	-41.371	1.00	0.00
ATOM C	6288	CA	LEU	X	410	-30.995	0.409	-42.991	1.00	0.00
ATOM H	6289	HA	LEU	X	410	-29.995	0.065	-43.210	1.00	0.00
ATOM C	6290	CB	LEU	X	410	-32.031	-0.752	-43.118	1.00	0.00
ATOM H	6291	HB1	LEU	X	410	-33.073	-0.464	-42.860	1.00	0.00
ATOM H	6292	HB2	LEU	X	410	-31.826	-1.297	-42.173	1.00	0.00
ATOM C	6293	CG	LEU	X	410	-31.778	-1.642	-44.399	1.00	0.00
ATOM H	6294	HG	LEU	X	410	-31.860	-0.961	-45.273	1.00	0.00
ATOM C	6295	CD1	LEU	X	410	-30.397	-2.407	-44.387	1.00	0.00
ATOM H	6296	HD11	LEU	X	410	-29.488	-1.810	-44.158	1.00	0.00
ATOM H	6297	HD12	LEU	X	410	-30.120	-2.829	-45.377	1.00	0.00
ATOM H	6298	HD13	LEU	X	410	-30.363	-3.259	-43.675	1.00	0.00
ATOM C	6299	CD2	LEU	X	410	-32.906	-2.618	-44.594	1.00	0.00
ATOM H	6300	HD21	LEU	X	410	-33.890	-2.109	-44.677	1.00	0.00

ATOM C	6326	C3	GLC	X	411	-17.869	-11.970	-23.517	1.00	0.00
ATOM H	6327	H3	GLC	X	411	-18.861	-11.543	-23.255	1.00	0.00
ATOM O	6328	O3	GLC	X	411	-17.828	-12.889	-24.581	1.00	0.00
ATOM H	6329	H03	GLC	X	411	-17.798	-13.754	-24.166	1.00	0.00
ATOM C	6330	C4	GLC	X	411	-17.408	-12.574	-22.277	1.00	0.00
ATOM H	6331	H4	GLC	X	411	-16.404	-13.044	-22.358	1.00	0.00
ATOM O	6332	O4	GLC	X	411	-18.265	-13.582	-21.795	1.00	0.00
ATOM C	6333	C6	GLC	X	411	-16.669	-12.102	-19.944	1.00	0.00
ATOM H	6334	H61	GLC	X	411	-15.700	-12.609	-20.138	1.00	0.00
ATOM H	6335	H62	GLC	X	411	-17.305	-12.914	-19.530	1.00	0.00
ATOM O	6336	O6	GLC	X	411	-16.511	-11.128	-18.959	1.00	0.00
ATOM C	6337	C1	FUC	X	412	-17.232	-11.394	-17.749	1.00	0.00
ATOM H	6338	H1	FUC	X	412	-16.888	-12.419	-17.495	1.00	0.00
ATOM C	6339	C5	FUC	X	412	-19.097	-10.049	-18.338	1.00	0.00
ATOM H	6340	H5	FUC	X	412	-18.501	-9.598	-19.161	1.00	0.00
ATOM O	6341	O5	FUC	X	412	-18.643	-11.324	-17.952	1.00	0.00
ATOM C	6342	C2	FUC	X	412	-16.771	-10.454	-16.645	1.00	0.00
ATOM H	6343	H2	FUC	X	412	-17.145	-10.750	-15.642	1.00	0.00
ATOM O	6344	O2	FUC	X	412	-15.364	-10.419	-16.471	1.00	0.00
ATOM H	6345	H02	FUC	X	412	-15.317	-10.726	-15.563	1.00	0.00
ATOM C	6346	C3	FUC	X	412	-17.301	-8.970	-16.798	1.00	0.00
ATOM H	6347	H3	FUC	X	412	-16.754	-8.415	-17.590	1.00	0.00
ATOM O	6348	O3	FUC	X	412	-17.005	-8.254	-15.659	1.00	0.00
ATOM H	6349	H03	FUC	X	412	-16.084	-8.422	-15.447	1.00	0.00
ATOM C	6350	C4	FUC	X	412	-18.799	-9.001	-17.114	1.00	0.00

ATOM H	6351	H4	FUC X 412	-19.227	-8.063	-17.528	1.00	0.00
ATOM O	6352	04	FUC X 412	-19.497	-9.332	-15.920	1.00	0.00
ATOM H	6353	H04	FUC X 412	-19.640	-8.617	-15.295	1.00	0.00
ATOM C	6354	C6	FUC X 412	-20.679	-10.140	-18.600	1.00	0.00
ATOM H	6355	H61	FUC X 412	-21.191	-9.192	-18.872	1.00	0.00
ATOM H	6356	H62	FUC X 412	-21.222	-10.606	-17.751	1.00	0.00
ATOM H	6357	H63	FUC X 412	-20.795	-10.694	-19.556	1.00	0.00
ATOM C	6358	C1	GLC X 413	-17.800	-14.920	-21.958	1.00	0.00
ATOM H	6359	H1	GLC X 413	-16.995	-14.976	-21.195	1.00	0.00
ATOM C	6360	C5	GLC X 413	-16.970	-16.586	-23.276	1.00	0.00
ATOM H	6361	H5	GLC X 413	-16.213	-16.845	-22.506	1.00	0.00
ATOM O	6362	05	GLC X 413	-17.492	-15.286	-23.268	1.00	0.00
ATOM C	6363	C2	GLC X 413	-18.951	-15.764	-21.446	1.00	0.00
ATOM H	6364	H2	GLC X 413	-19.750	-15.456	-22.154	1.00	0.00
ATOM N	6365	N	GLC X 413	-19.345	-15.456	-20.111	1.00	0.00
ATOM H	6366	HN	GLC X 413	-20.250	-15.116	-19.865	1.00	0.00
ATOM C	6367	C	GLC X 413	-18.689	-15.668	-18.997	1.00	0.00
ATOM O	6368	0	GLC X 413	-17.505	-15.973	-18.888	1.00	0.00
ATOM C	6369	CT	GLC X 413	-19.461	-15.336	-17.734	1.00	0.00
ATOM H	6370	HT1	GLC X 413	-18.801	-15.514	-16.858	1.00	0.00
ATOM H	6371	HT2	GLC X 413	-20.413	-15.894	-17.602	1.00	0.00
ATOM H	6372	HT3	GLC X 413	-19.750	-14.264	-17.764	1.00	0.00
ATOM C	6373	C3	GLC X 413	-18.739	-17.261	-21.742	1.00	0.00
ATOM H	6374	H3	GLC X 413	-18.109	-17.723	-20.951	1.00	0.00
ATOM O	6375	03	GLC X 413	-19.970	-17.930	-21.521	1.00	0.00

ATOM H	6376	H03	GLC	X	413	-19.801	-18.863	-21.668	1.00	0.00
ATOM C	6377	C4	GLC	X	413	-18.166	-17.482	-23.064	1.00	0.00
ATOM H	6378	H4	GLC	X	413	-18.924	-17.280	-23.851	1.00	0.00
ATOM O	6379	O4	GLC	X	413	-17.723	-18.860	-23.142	1.00	0.00
ATOM C	6380	C6	GLC	X	413	-16.353	-16.847	-24.628	1.00	0.00
ATOM H	6381	H61	GLC	X	413	-17.185	-16.683	-25.346	1.00	0.00
ATOM H	6382	H62	GLC	X	413	-16.039	-17.909	-24.721	1.00	0.00
ATOM O	6383	O6	GLC	X	413	-15.251	-16.009	-25.018	1.00	0.00
ATOM H	6384	H06	GLC	X	413	-14.861	-16.506	-25.741	1.00	0.00
ATOM C	6385	C1	MAN	X	414	-18.729	-19.717	-23.711	1.00	0.00
ATOM H	6386	H1	MAN	X	414	-19.227	-19.287	-24.606	1.00	0.00
ATOM C	6387	C5	MAN	X	414	-20.596	-21.155	-23.303	1.00	0.00
ATOM H	6388	H5	MAN	X	414	-21.095	-20.677	-24.173	1.00	0.00
ATOM O	6389	O5	MAN	X	414	-19.668	-20.206	-22.761	1.00	0.00
ATOM C	6390	C2	MAN	X	414	-17.906	-20.954	-24.174	1.00	0.00
ATOM H	6391	H2	MAN	X	414	-17.177	-20.509	-24.884	1.00	0.00
ATOM O	6392	O2	MAN	X	414	-17.046	-21.512	-23.107	1.00	0.00
ATOM H	6393	H02	MAN	X	414	-17.204	-20.993	-22.316	1.00	0.00
ATOM C	6394	C3	MAN	X	414	-18.788	-22.022	-24.799	1.00	0.00
ATOM H	6395	H3	MAN	X	414	-19.321	-21.619	-25.687	1.00	0.00
ATOM O	6396	O3	MAN	X	414	-18.064	-23.216	-25.293	1.00	0.00
ATOM C	6397	C4	MAN	X	414	-19.912	-22.376	-23.812	1.00	0.00
ATOM H	6398	H4	MAN	X	414	-19.565	-22.985	-22.950	1.00	0.00
ATOM O	6399	O4	MAN	X	414	-20.817	-23.232	-24.503	1.00	0.00
ATOM H	6400	H04	MAN	X	414	-21.532	-23.464	-23.907	1.00	0.00

ATOM C	6401	C6	MAN	X	414	-21.727	-21.240	-22.253	1.00	0.00
ATOM H	6402	H61	MAN	X	414	-22.486	-21.948	-22.648	1.00	0.00
ATOM H	6403	H62	MAN	X	414	-22.158	-20.230	-22.088	1.00	0.00
ATOM O	6404	O6	MAN	X	414	-20.988	-21.794	-21.164	1.00	0.00
ATOM C	6405	C1	MAN	X	415	-21.309	-21.285	-19.871	1.00	0.00
ATOM H	6406	H1	MAN	X	415	-21.499	-20.190	-19.884	1.00	0.00
ATOM C	6407	C5	MAN	X	415	-22.373	-23.344	-19.402	1.00	0.00
ATOM H	6408	H5	MAN	X	415	-22.375	-23.630	-20.475	1.00	0.00
ATOM O	6409	O5	MAN	X	415	-22.381	-21.954	-19.180	1.00	0.00
ATOM C	6410	C2	MAN	X	415	-20.033	-21.692	-19.110	1.00	0.00
ATOM H	6411	H2	MAN	X	415	-19.181	-21.154	-19.578	1.00	0.00
ATOM O	6412	O2	MAN	X	415	-20.115	-21.298	-17.735	1.00	0.00
ATOM C	6413	C3	MAN	X	415	-19.811	-23.142	-19.266	1.00	0.00
ATOM H	6414	H3	MAN	X	415	-19.710	-23.424	-20.336	1.00	0.00
ATOM O	6415	O3	MAN	X	415	-18.600	-23.500	-18.638	1.00	0.00
ATOM H	6416	H03	MAN	X	415	-18.649	-23.576	-17.682	1.00	0.00
ATOM C	6417	C4	MAN	X	415	-21.093	-23.807	-18.715	1.00	0.00
ATOM H	6418	H4	MAN	X	415	-21.198	-23.539	-17.642	1.00	0.00
ATOM O	6419	O4	MAN	X	415	-20.998	-25.232	-18.822	1.00	0.00
ATOM H	6420	H04	MAN	X	415	-20.238	-25.532	-18.317	1.00	0.00
ATOM C	6421	C6	MAN	X	415	-23.632	-23.847	-18.715	1.00	0.00
ATOM H	6422	H61	MAN	X	415	-23.681	-23.474	-17.669	1.00	0.00
ATOM H	6423	H62	MAN	X	415	-23.612	-24.951	-18.587	1.00	0.00
ATOM O	6424	O6	MAN	X	415	-24.875	-23.506	-19.342	1.00	0.00
ATOM H	6425	H06	MAN	X	415	-25.021	-22.559	-19.409	1.00	0.00

ATOM C	6426	C1	GLC X 416	-19.670	-20.006	-17.458	1.00	0.00
ATOM H	6427	H1	GLC X 416	-19.962	-19.357	-18.311	1.00	0.00
ATOM C	6428	C5	GLC X 416	-17.702	-18.875	-16.724	1.00	0.00
ATOM H	6429	H5	GLC X 416	-17.933	-18.143	-17.527	1.00	0.00
ATOM O	6430	O5	GLC X 416	-18.266	-20.084	-17.194	1.00	0.00
ATOM C	6431	C2	GLC X 416	-20.456	-19.695	-16.172	1.00	0.00
ATOM H	6432	H2	GLC X 416	-20.169	-20.327	-15.305	1.00	0.00
ATOM N	6433	N	GLC X 416	-21.927	-19.900	-16.195	1.00	0.00
ATOM H	6434	HN	GLC X 416	-22.403	-20.506	-15.562	1.00	0.00
ATOM C	6435	C	GLC X 416	-22.688	-19.282	-17.081	1.00	0.00
ATOM O	6436	O	GLC X 416	-22.162	-18.556	-17.908	1.00	0.00
ATOM C	6437	CT	GLC X 416	-24.128	-19.509	-17.229	1.00	0.00
ATOM H	6438	HT1	GLC X 416	-24.329	-20.455	-17.775	1.00	0.00
ATOM H	6439	HT2	GLC X 416	-24.705	-18.618	-17.557	1.00	0.00
ATOM H	6440	HT3	GLC X 416	-24.367	-19.744	-16.170	1.00	0.00
ATOM C	6441	C3	GLC X 416	-19.974	-18.378	-15.643	1.00	0.00
ATOM H	6442	H3	GLC X 416	-20.271	-17.661	-16.438	1.00	0.00
ATOM O	6443	O3	GLC X 416	-20.769	-17.981	-14.489	1.00	0.00
ATOM H	6444	H03	GLC X 416	-21.193	-17.129	-14.620	1.00	0.00
ATOM C	6445	C4	GLC X 416	-18.487	-18.334	-15.376	1.00	0.00
ATOM H	6446	H4	GLC X 416	-18.095	-18.992	-14.571	1.00	0.00
ATOM O	6447	O4	GLC X 416	-17.982	-17.030	-15.079	1.00	0.00
ATOM H	6448	H04	GLC X 416	-17.507	-17.061	-14.245	1.00	0.00
ATOM C	6449	C6	GLC X 416	-16.169	-19.096	-16.492	1.00	0.00
ATOM H	6450	H61	GLC X 416	-15.972	-19.737	-15.606	1.00	0.00

ATOM H	6451	H62	GLC	X	416	-15.778	-18.068	-16.338	1.00	0.00
ATOM O	6452	06	GLC	X	416	-15.592	-19.659	-17.677	1.00	0.00
ATOM H	6453	H06	GLC	X	416	-15.801	-20.595	-17.684	1.00	0.00
ATOM C	6454	C1	MAN	X	417	-17.704	-23.283	-26.687	1.00	0.00
ATOM H	6455	H1	MAN	X	417	-18.514	-22.862	-27.320	1.00	0.00
ATOM C	6456	C5	MAN	X	417	-15.443	-23.116	-25.996	1.00	0.00
ATOM H	6457	H5	MAN	X	417	-15.772	-23.107	-24.935	1.00	0.00
ATOM O	6458	05	MAN	X	417	-16.461	-22.571	-26.840	1.00	0.00
ATOM C	6459	C2	MAN	X	417	-17.511	-24.705	-27.043	1.00	0.00
ATOM H	6460	H2	MAN	X	417	-18.376	-25.279	-26.646	1.00	0.00
ATOM O	6461	02	MAN	X	417	-17.241	-24.963	-28.464	1.00	0.00
ATOM C	6462	C3	MAN	X	417	-16.360	-25.286	-26.237	1.00	0.00
ATOM H	6463	H3	MAN	X	417	-16.541	-25.157	-25.148	1.00	0.00
ATOM O	6464	03	MAN	X	417	-16.179	-26.705	-26.264	1.00	0.00
ATOM H	6465	H03	MAN	X	417	-16.351	-27.006	-27.159	1.00	0.00
ATOM C	6466	C4	MAN	X	417	-15.100	-24.535	-26.462	1.00	0.00
ATOM H	6467	H4	MAN	X	417	-14.855	-24.345	-27.529	1.00	0.00
ATOM O	6468	04	MAN	X	417	-13.960	-24.849	-25.674	1.00	0.00
ATOM C	6469	C6	MAN	X	417	-14.288	-22.066	-26.134	1.00	0.00
ATOM H	6470	H61	MAN	X	417	-13.810	-22.134	-27.135	1.00	0.00
ATOM H	6471	H62	MAN	X	417	-13.420	-22.168	-25.449	1.00	0.00
ATOM O	6472	06	MAN	X	417	-14.706	-20.688	-25.932	1.00	0.00
ATOM H	6473	H06	MAN	X	417	-15.034	-20.406	-26.789	1.00	0.00
ATOM C	6474	C1	GLC	X	418	-12.937	-25.678	-26.129	1.00	0.00
ATOM H	6475	H1	GLC	X	418	-12.716	-25.665	-27.218	1.00	0.00

ATOM C	6476	C5	GLC X 418	-12.575	-27.941	-26.524	1.00	0.00
ATOM H	6477	H5	GLC X 418	-12.583	-27.576	-27.573	1.00	0.00
ATOM O	6478	O5	GLC X 418	-13.274	-26.964	-25.778	1.00	0.00
ATOM C	6479	C2	GLC X 418	-11.624	-25.463	-25.388	1.00	0.00
ATOM H	6480	H2	GLC X 418	-11.775	-25.701	-24.313	1.00	0.00
ATOM N	6481	N	GLC X 418	-11.215	-24.100	-25.520	1.00	0.00
ATOM H	6482	HN	GLC X 418	-11.109	-23.587	-24.671	1.00	0.00
ATOM C	6483	C	GLC X 418	-10.757	-23.488	-26.616	1.00	0.00
ATOM O	6484	O	GLC X 418	-10.643	-24.042	-27.696	1.00	0.00
ATOM C	6485	CT	GLC X 418	-10.229	-22.145	-26.468	1.00	0.00
ATOM H	6486	HT1	GLC X 418	-9.165	-22.280	-26.181	1.00	0.00
ATOM H	6487	HT2	GLC X 418	-10.678	-21.568	-25.632	1.00	0.00
ATOM H	6488	HT3	GLC X 418	-10.522	-21.594	-27.387	1.00	0.00
ATOM C	6489	C3	GLC X 418	-10.592	-26.444	-25.883	1.00	0.00
ATOM H	6490	H3	GLC X 418	-10.284	-26.225	-26.927	1.00	0.00
ATOM O	6491	O3	GLC X 418	-9.407	-26.256	-25.159	1.00	0.00
ATOM H	6492	H03	GLC X 418	-8.818	-25.984	-25.866	1.00	0.00
ATOM C	6493	C4	GLC X 418	-11.219	-27.833	-25.949	1.00	0.00
ATOM H	6494	H4	GLC X 418	-11.311	-28.114	-24.878	1.00	0.00
ATOM O	6495	O4	GLC X 418	-10.306	-28.772	-26.514	1.00	0.00
ATOM H	6496	H04	GLC X 418	-9.816	-29.261	-25.849	1.00	0.00
ATOM C	6497	C6	GLC X 418	-13.314	-29.202	-26.549	1.00	0.00
ATOM H	6498	H61	GLC X 418	-12.628	-30.035	-26.815	1.00	0.00
ATOM H	6499	H62	GLC X 418	-14.092	-29.264	-27.339	1.00	0.00
ATOM O	6500	O6	GLC X 418	-13.788	-29.596	-25.256	1.00	0.00

ATOM H	6501	H06	GLC	X	418	-14.529	-29.018	-25.058	1.00	0.00
ATOM C	6502	C1	GLC	X	419	-18.470	-25.115	-29.181	1.00	0.00
ATOM H	6503	H1	GLC	X	419	-19.206	-24.340	-28.878	1.00	0.00
ATOM C	6504	C5	GLC	X	419	-20.127	-26.567	-29.952	1.00	0.00
ATOM H	6505	H5	GLC	X	419	-20.840	-25.800	-29.583	1.00	0.00
ATOM O	6506	O5	GLC	X	419	-18.934	-26.455	-29.170	1.00	0.00
ATOM C	6507	C2	GLC	X	419	-18.094	-24.843	-30.613	1.00	0.00
ATOM H	6508	H2	GLC	X	419	-17.282	-25.561	-30.856	1.00	0.00
ATOM N	6509	N	GLC	X	419	-17.413	-23.554	-30.804	1.00	0.00
ATOM H	6510	HN	GLC	X	419	-16.473	-23.641	-31.125	1.00	0.00
ATOM C	6511	C	GLC	X	419	-18.030	-22.361	-30.700	1.00	0.00
ATOM O	6512	O	GLC	X	419	-19.209	-22.279	-30.257	1.00	0.00
ATOM C	6513	CT	GLC	X	419	-17.221	-21.212	-31.081	1.00	0.00
ATOM H	6514	HT1	GLC	X	419	-16.851	-20.796	-30.120	1.00	0.00
ATOM H	6515	HT2	GLC	X	419	-17.846	-20.394	-31.499	1.00	0.00
ATOM H	6516	HT3	GLC	X	419	-16.375	-21.387	-31.781	1.00	0.00
ATOM C	6517	C3	GLC	X	419	-19.251	-25.065	-31.531	1.00	0.00
ATOM H	6518	H3	GLC	X	419	-20.069	-24.380	-31.219	1.00	0.00
ATOM O	6519	O3	GLC	X	419	-18.931	-24.815	-32.881	1.00	0.00
ATOM H	6520	H03	GLC	X	419	-18.973	-23.903	-33.177	1.00	0.00
ATOM C	6521	C4	GLC	X	419	-19.694	-26.513	-31.379	1.00	0.00
ATOM H	6522	H4	GLC	X	419	-18.747	-27.071	-31.540	1.00	0.00
ATOM O	6523	O4	GLC	X	419	-20.743	-26.961	-32.213	1.00	0.00
ATOM H	6524	H04	GLC	X	419	-20.358	-27.080	-33.084	1.00	0.00
ATOM C	6525	C6	GLC	X	419	-20.593	-28.001	-29.556	1.00	0.00

