

ATOM N	31200	N	GLN	H	1	140.726	136.667	218.018	1.00481.07
ATOM C	31201	CA	GLN	H	1	141.321	136.802	216.656	1.00461.16
ATOM C	31202	CB	GLN	H	1	141.311	135.453	215.930	1.00498.67
ATOM C	31203	CG	GLN	H	1	142.081	135.456	214.615	1.00520.94
ATOM C	31204	CD	GLN	H	1	141.934	134.177	213.822	1.00535.06
ATOM O	31205	OE1	GLN	H	1	141.361	133.193	214.285	1.00538.06
ATOM N	31206	NE2	GLN	H	1	142.461	134.185	212.609	1.00556.90
ATOM C	31207	C	GLN	H	1	140.567	137.885	215.885	1.00425.34
ATOM O	31208	O	GLN	H	1	141.013	139.031	215.834	1.00400.10
ATOM N	31209	N	VAL	H	2	139.421	137.502	215.305	1.00391.00
ATOM C	31210	CA	VAL	H	2	138.606	138.399	214.499	1.00361.52
ATOM C	31211	CB	VAL	H	2	138.216	137.794	213.132	1.00313.43
ATOM C	31212	CG1	VAL	H	2	137.335	138.737	212.320	1.00268.87
ATOM C	31213	CG2	VAL	H	2	139.433	137.378	212.313	1.00228.03
ATOM C	31214	C	VAL	H	2	137.384	138.825	215.314	1.00368.19
ATOM O	31215	O	VAL	H	2	136.626	137.996	215.817	1.00314.88
ATOM N	31216	N	GLN	H	3	137.239	140.148	215.448	1.00376.29
ATOM C	31217	CA	GLN	H	3	136.095	140.774	216.088	1.00349.00
ATOM C	31218	CB	GLN	H	3	136.299	140.879	217.605	1.00266.62
ATOM C	31219	CG	GLN	H	3	137.641	141.471	218.026	1.00261.71
ATOM C	31220	CD	GLN	H	3	137.602	142.886	218.557	1.00268.20
ATOM O	31221	OE1	GLN	H	3	136.617	143.615	218.412	1.00260.30
ATOM N	31222	NE2	GLN	H	3	138.697	143.285	219.190	1.00246.43
ATOM C	31223	C	GLN	H	3	135.824	142.116	215.406	1.00379.27
ATOM O	31224	O	GLN	H	3	136.743	142.752	214.894	1.00382.77

ATOM N	31225	N	LEU	H	4	134.547	142.515	215.395	1.00395.06
ATOM C	31226	CA	LEU	H	4	134.095	143.725	214.722	1.00336.88
ATOM C	31227	CB	LEU	H	4	133.255	143.334	213.498	1.00364.98
ATOM C	31228	CG	LEU	H	4	133.770	142.141	212.685	1.00402.15
ATOM C	31229	CD1	LEU	H	4	132.751	141.683	211.655	1.00430.71
ATOM C	31230	CD2	LEU	H	4	135.105	142.447	212.017	1.00407.89
ATOM C	31231	C	LEU	H	4	133.311	144.585	215.712	1.00312.18
ATOM O	31232	O	LEU	H	4	132.410	144.104	216.401	1.00350.20
ATOM N	31233	N	VAL	H	5	133.692	145.861	215.803	1.00293.41
ATOM C	31234	CA	VAL	H	5	133.085	146.754	216.776	1.00332.83
ATOM C	31235	CB	VAL	H	5	134.137	147.411	217.703	1.00318.41
ATOM C	31236	CG1	VAL	H	5	133.623	148.670	218.397	1.00310.66
ATOM C	31237	CG2	VAL	H	5	134.697	146.429	218.737	1.00199.07
ATOM C	31238	C	VAL	H	5	132.200	147.750	216.028	1.00351.44
ATOM O	31239	O	VAL	H	5	132.609	148.313	215.014	1.00345.03
ATOM N	31240	N	GLU	H	6	130.969	147.906	216.531	1.00367.15
ATOM C	31241	CA	GLU	H	6	129.988	148.829	215.983	1.00362.47
ATOM C	31242	CB	GLU	H	6	128.667	148.095	215.738	1.00424.22
ATOM C	31243	CG	GLU	H	6	128.764	146.987	214.698	1.00498.22
ATOM C	31244	CD	GLU	H	6	129.334	145.659	215.174	1.00527.61
ATOM O	31245	OE1	GLU	H	6	129.420	145.451	216.408	1.00504.12
ATOM O	31246	OE2	GLU	H	6	129.685	144.830	214.314	1.00578.05
ATOM C	31247	C	GLU	H	6	129.840	149.985	216.967	1.00329.64
ATOM O	31248	O	GLU	H	6	129.840	149.762	218.178	1.00257.21
ATOM N	31249	N	SER	H	7	129.764	151.216	216.437	1.00356.84



ATOM C	31275	CA	VAL	H	12	117.637	160.300	216.138	1.00333.23
ATOM C	31276	CB	VAL	H	12	118.718	160.061	215.064	1.00265.37
ATOM C	31277	CG1	VAL	H	12	118.240	159.213	213.895	1.00285.13
ATOM C	31278	CG2	VAL	H	12	119.340	161.361	214.588	1.00200.71
ATOM C	31279	C	VAL	H	12	116.250	160.654	215.579	1.00385.76
ATOM O	31280	O	VAL	H	12	115.298	159.901	215.780	1.00434.53
ATOM N	31281	N	GLN	H	13	116.135	161.824	214.920	1.00384.26
ATOM C	31282	CA	GLN	H	13	114.870	162.375	214.431	1.00349.51
ATOM C	31283	CB	GLN	H	13	114.817	163.895	214.638	1.00375.99
ATOM C	31284	CG	GLN	H	13	114.654	164.354	216.086	1.00380.40
ATOM C	31285	CD	GLN	H	13	113.246	164.286	216.635	1.00386.46
ATOM O	31286	OE1	GLN	H	13	112.269	164.153	215.901	1.00406.32
ATOM N	31287	NE2	GLN	H	13	113.134	164.384	217.952	1.00322.89
ATOM C	31288	C	GLN	H	13	114.696	162.080	212.937	1.00292.19
ATOM O	31289	O	GLN	H	13	115.671	162.152	212.188	1.00171.32
ATOM N	31290	N	PRO	H	14	113.458	161.788	212.437	1.00303.10
ATOM C	31291	CA	PRO	H	14	113.248	161.496	211.013	1.00286.75
ATOM C	31292	CB	PRO	H	14	111.718	161.599	210.835	1.00251.76
ATOM C	31293	CG	PRO	H	14	111.154	161.234	212.202	1.00240.16
ATOM C	31294	CD	PRO	H	14	112.192	161.727	213.201	1.00271.27
ATOM C	31295	C	PRO	H	14	114.007	162.472	210.112	1.00249.60
ATOM O	31296	O	PRO	H	14	114.280	163.601	210.505	1.00199.92
ATOM N	31297	N	GLY	H	15	114.389	162.022	208.916	1.00275.96
ATOM C	31298	CA	GLY	H	15	115.090	162.884	207.976	1.00272.27
ATOM C	31299	C	GLY	H	15	116.316	163.545	208.600	1.00261.33























































































ATOM O	32250	O	PRO	H	129	103.499	149.024	241.184	1.00	45.02
ATOM C	32251	CB	PRO	H	129	105.671	149.593	243.339	1.00	55.03
ATOM C	32252	CG	PRO	H	129	104.942	150.875	243.362	1.00	49.81
ATOM C	32253	CD	PRO	H	129	105.558	151.662	242.267	1.00	53.53
ATOM H	32254	HA	PRO	H	129	106.598	148.810	241.642	1.00	65.03
ATOM H	32255	HB2	PRO	H	129	105.173	148.894	243.789	1.00	66.06
ATOM H	32256	HB3	PRO	H	129	106.554	149.679	243.733	1.00	66.06
ATOM H	32257	HG2	PRO	H	129	103.998	150.726	243.197	1.00	59.80
ATOM H	32258	HG3	PRO	H	129	105.065	151.314	244.218	1.00	59.80
ATOM H	32259	HD2	PRO	H	129	104.946	152.337	241.936	1.00	64.26
ATOM H	32260	HD3	PRO	H	129	106.385	152.079	242.560	1.00	64.26
ATOM N	32261	N	LEU	H	130	104.808	147.210	241.120	1.00	45.88
ATOM C	32262	CA	LEU	H	130	103.758	146.193	241.032	1.00	51.06
ATOM C	32263	C	LEU	H	130	103.777	145.476	242.400	1.00	45.45
ATOM O	32264	O	LEU	H	130	104.609	144.591	242.662	1.00	49.05
ATOM C	32265	CB	LEU	H	130	104.001	145.243	239.852	1.00	46.42
ATOM C	32266	CG	LEU	H	130	104.184	145.882	238.467	1.00	41.17
ATOM C	32267	CD1	LEU	H	130	104.751	144.874	237.450	1.00	45.33
ATOM C	32268	CD2	LEU	H	130	102.869	146.498	237.992	1.00	47.62
ATOM H	32269	H	LEU	H	130	105.595	146.887	240.991	1.00	55.08
ATOM H	32270	HA	LEU	H	130	102.885	146.593	240.883	1.00	61.30
ATOM H	32271	HB2	LEU	H	130	104.807	144.737	240.039	1.00	55.74
ATOM H	32272	HB3	LEU	H	130	103.241	144.644	239.788	1.00	55.74
ATOM H	32273	HG	LEU	H	130	104.838	146.596	238.531	1.00	49.43
ATOM H	32274	HD11	LEU	H	130	104.839	145.311	236.589	1.00	54.42















ATOM N	32425	N	CYS H 146	108.198	145.713	238.850	1.00	44.88
ATOM C	32426	CA	CYS H 146	108.313	147.120	238.482	1.00	53.54
ATOM C	32427	C	CYS H 146	107.781	147.308	237.074	1.00	49.54
ATOM O	32428	O	CYS H 146	108.112	146.534	236.166	1.00	48.49
ATOM C	32429	CB	CYS H 146	109.773	147.594	238.578	1.00	51.93
ATOM S	32430	SG	CYS H 146	110.353	147.834	240.329	1.00	72.96
ATOM H	32431	H	CYS H 146	108.501	145.193	238.235	1.00	53.89
ATOM H	32432	HA	CYS H 146	107.777	147.663	239.082	1.00	64.27
ATOM H	32433	HB2	CYS H 146	110.346	146.932	238.161	1.00	62.34
ATOM H	32434	HB3	CYS H 146	109.859	148.444	238.117	1.00	62.34
ATOM N	32435	N	LEU H 147	106.923	148.303	236.913	1.00	48.59
ATOM C	32436	CA	LEU H 147	106.457	148.759	235.609	1.00	44.72
ATOM C	32437	C	LEU H 147	107.342	149.925	235.184	1.00	51.18
ATOM O	32438	O	LEU H 147	107.371	150.949	235.860	1.00	48.14
ATOM C	32439	CB	LEU H 147	105.001	149.173	235.705	1.00	46.32
ATOM C	32440	CG	LEU H 147	104.328	149.656	234.447	1.00	47.72
ATOM C	32441	CD1	LEU H 147	104.277	148.524	233.493	1.00	54.16
ATOM C	32442	CD2	LEU H 147	102.913	150.231	234.750	1.00	47.19
ATOM H	32443	H	LEU H 147	106.582	148.747	237.567	1.00	58.33
ATOM H	32444	HA	LEU H 147	106.535	148.052	234.948	1.00	53.69
ATOM H	32445	HB2	LEU H 147	104.494	148.407	236.017	1.00	55.62
ATOM H	32446	HB3	LEU H 147	104.940	149.896	236.349	1.00	55.62
ATOM H	32447	HG	LEU H 147	104.826	150.385	234.047	1.00	57.29
ATOM H	32448	HD11	LEU H 147	103.688	148.758	232.758	1.00	65.02
ATOM H	32449	HD12	LEU H 147	105.171	148.351	233.161	1.00	65.02











































ATOM H	32925	HB3	SER	H	179	101.629	157.694	223.752	1.00	62.95
ATOM H	32926	HG	SER	H	179	103.340	156.827	224.800	1.00	68.65
ATOM N	32927	N	GLY	H	180	104.361	156.366	220.828	1.00	53.09
ATOM C	32928	CA	GLY	H	180	105.751	156.218	220.432	1.00	46.69
ATOM C	32929	C	GLY	H	180	106.696	155.887	221.560	1.00	54.74
ATOM O	32930	O	GLY	H	180	107.923	155.818	221.351	1.00	46.05
ATOM H	32931	H	GLY	H	180	103.915	155.638	220.726	1.00	63.73
ATOM H	32932	HA2	GLY	H	180	105.813	155.509	219.773	1.00	56.05
ATOM H	32933	HA3	GLY	H	180	106.050	157.049	220.029	1.00	56.05
ATOM N	32934	N	LEU	H	181	106.186	155.671	222.750	1.00	55.51
ATOM C	32935	CA	LEU	H	181	107.050	155.431	223.892	1.00	51.72
ATOM C	32936	C	LEU	H	181	106.978	153.960	224.271	1.00	50.31
ATOM O	32937	O	LEU	H	181	105.960	153.306	224.045	1.00	52.37
ATOM C	32938	CB	LEU	H	181	106.630	156.333	225.035	1.00	52.73
ATOM C	32939	CG	LEU	H	181	106.673	157.831	224.745	1.00	56.52
ATOM C	32940	CD1	LEU	H	181	106.032	158.580	225.910	1.00	56.52
ATOM C	32941	CD2	LEU	H	181	108.115	158.284	224.528	1.00	51.76
ATOM H	32942	H	LEU	H	181	105.345	155.658	222.928	1.00	66.64
ATOM H	32943	HA	LEU	H	181	107.980	155.623	223.691	1.00	62.09
ATOM H	32944	HB2	LEU	H	181	105.717	156.113	225.277	1.00	63.31
ATOM H	32945	HB3	LEU	H	181	107.220	156.167	225.788	1.00	63.31
ATOM H	32946	HG	LEU	H	181	106.181	158.035	223.936	1.00	67.85
ATOM H	32947	HD11	LEU	H	181	106.021	159.529	225.707	1.00	67.85
ATOM H	32948	HD12	LEU	H	181	105.125	158.258	226.031	1.00	67.85
ATOM H	32949	HD13	LEU	H	181	106.551	158.420	226.713	1.00	67.85



ATOM C	32975	CA	SER H 183	106.862	150.247	228.337	1.00	44.39
ATOM C	32976	C	SER H 183	107.257	148.781	228.467	1.00	51.32
ATOM O	32977	O	SER H 183	107.018	147.988	227.550	1.00	49.86
ATOM C	32978	CB	SER H 183	105.383	150.419	228.662	1.00	58.81
ATOM O	32979	OG	SER H 183	105.062	149.688	229.828	1.00	66.21
ATOM H	32980	H	SER H 183	106.895	150.140	226.384	1.00	56.70
ATOM H	32981	HA	SER H 183	107.389	150.754	228.976	1.00	53.29
ATOM H	32982	HB2	SER H 183	105.196	151.359	228.812	1.00	70.60
ATOM H	32983	HB3	SER H 183	104.852	150.088	227.920	1.00	70.60
ATOM H	32984	HG	SER H 183	104.256	149.810	230.030	1.00	79.47
ATOM N	32985	N	LEU H 184	107.869	148.411	229.597	1.00	50.22
ATOM C	32986	CA	LEU H 184	108.055	147.001	229.927	1.00	53.46
ATOM C	32987	C	LEU H 184	107.792	146.744	231.405	1.00	58.23
ATOM O	32988	O	LEU H 184	107.715	147.664	232.226	1.00	48.73
ATOM C	32989	CB	LEU H 184	109.463	146.486	229.596	1.00	47.95
ATOM C	32990	CG	LEU H 184	110.690	146.923	230.382	1.00	53.77
ATOM C	32991	CD1	LEU H 184	110.797	146.285	231.735	1.00	45.26
ATOM C	32992	CD2	LEU H 184	111.911	146.587	229.563	1.00	53.22
ATOM H	32993	H	LEU H 184	108.183	148.959	230.182	1.00	60.29
ATOM H	32994	HA	LEU H 184	107.401	146.518	229.398	1.00	64.18
ATOM H	32995	HB2	LEU H 184	109.432	145.519	229.679	1.00	57.57
ATOM H	32996	HB3	LEU H 184	109.641	146.734	228.675	1.00	57.57
ATOM H	32997	HG	LEU H 184	110.624	147.877	230.550	1.00	64.55
ATOM H	32998	HD11	LEU H 184	111.726	146.294	232.017	1.00	54.34
ATOM H	32999	HD12	LEU H 184	110.256	146.787	232.364	1.00	54.34





ATOM H	33025	HG	SER H 186	112.551	142.365	235.566	1.00	58.98
ATOM N	33026	N	VAL H 187	109.348	141.255	236.787	1.00	44.56
ATOM C	33027	CA	VAL H 187	108.680	140.586	237.893	1.00	44.79
ATOM C	33028	C	VAL H 187	109.573	139.517	238.482	1.00	44.10
ATOM O	33029	O	VAL H 187	110.456	138.972	237.818	1.00	46.68
ATOM C	33030	CB	VAL H 187	107.350	139.900	237.505	1.00	47.64
ATOM C	33031	CG1	VAL H 187	106.399	140.883	237.040	1.00	45.73
ATOM C	33032	CG2	VAL H 187	107.626	138.749	236.458	1.00	45.97
ATOM H	33033	H	VAL H 187	109.736	140.714	236.243	1.00	53.50
ATOM H	33034	HA	VAL H 187	108.514	141.279	238.552	1.00	53.77
ATOM H	33035	HB	VAL H 187	106.945	139.479	238.281	1.00	57.19
ATOM H	33036	HG11	VAL H 187	105.553	140.444	236.862	1.00	54.90
ATOM H	33037	HG12	VAL H 187	106.284	141.561	237.724	1.00	54.90
ATOM H	33038	HG13	VAL H 187	106.739	141.289	236.226	1.00	54.90
ATOM H	33039	HG21	VAL H 187	106.779	138.409	236.130	1.00	55.19
ATOM H	33040	HG22	VAL H 187	108.145	139.109	235.722	1.00	55.19
ATOM H	33041	HG23	VAL H 187	108.122	138.037	236.893	1.00	55.19
ATOM N	33042	N	VAL H 188	109.263	139.159	239.738	1.00	47.16
ATOM C	33043	CA	VAL H 188	109.948	138.069	240.433	1.00	46.15
ATOM C	33044	C	VAL H 188	108.929	137.419	241.346	1.00	44.80
ATOM O	33045	O	VAL H 188	108.065	138.093	241.927	1.00	44.74
ATOM C	33046	CB	VAL H 188	111.193	138.565	241.203	1.00	42.75
ATOM C	33047	CG1	VAL H 188	110.795	139.586	242.208	1.00	56.89
ATOM C	33048	CG2	VAL H 188	111.915	137.412	241.888	1.00	47.85
ATOM H	33049	H	VAL H 188	108.653	139.540	240.209	1.00	56.61





ATOM H	33100	HD2	PRO	H	191	110.889	134.119	248.754	1.00	56.07
ATOM H	33101	HD3	PRO	H	191	110.876	133.069	247.560	1.00	56.07
ATOM N	33102	N	SER	H	192	106.030	134.133	249.855	1.00	42.43
ATOM C	33103	CA	SER	H	192	105.262	135.257	250.365	1.00	44.64
ATOM C	33104	C	SER	H	192	105.665	135.608	251.788	1.00	49.22
ATOM O	33105	O	SER	H	192	105.570	136.778	252.174	1.00	49.77
ATOM C	33106	CB	SER	H	192	103.762	134.982	250.272	1.00	50.96
ATOM O	33107	OG	SER	H	192	103.505	133.634	250.061	1.00	71.68
ATOM H	33108	H	SER	H	192	105.583	133.428	249.648	1.00	50.95
ATOM H	33109	HA	SER	H	192	105.441	136.029	249.807	1.00	53.59
ATOM H	33110	HB2	SER	H	192	103.342	135.256	251.101	1.00	61.18
ATOM H	33111	HB3	SER	H	192	103.397	135.491	249.530	1.00	61.18
ATOM H	33112	HG	SER	H	192	102.698	133.467	250.228	1.00	86.05
ATOM N	33113	N	SER	H	193	106.133	134.623	252.583	1.00	51.30
ATOM C	33114	CA	SER	H	193	106.572	134.915	253.946	1.00	50.02
ATOM C	33115	C	SER	H	193	107.842	135.745	253.971	1.00	47.73
ATOM O	33116	O	SER	H	193	108.184	136.310	255.019	1.00	47.20
ATOM C	33117	CB	SER	H	193	106.806	133.626	254.726	1.00	49.37
ATOM O	33118	OG	SER	H	193	107.825	132.842	254.145	1.00	44.73
ATOM H	33119	H	SER	H	193	106.202	133.796	252.354	1.00	61.59
ATOM H	33120	HA	SER	H	193	105.866	135.411	254.389	1.00	60.05
ATOM H	33121	HB2	SER	H	193	107.065	133.853	255.633	1.00	59.28
ATOM H	33122	HB3	SER	H	193	105.983	133.114	254.734	1.00	59.28
ATOM H	33123	HG	SER	H	193	107.900	132.115	254.560	1.00	53.70
ATOM N	33124	N	SER	H	194	108.553	135.828	252.847	1.00	45.14















































ATOM C	33625	CA	SER	L	7	109.113	125.145	205.399	1.00252.29
ATOM C	33626	CB	SER	L	7	109.117	124.426	204.024	1.00251.80
ATOM O	33627	OG	SER	L	7	110.074	124.733	202.979	1.00268.47
ATOM C	33628	C	SER	L	7	109.630	124.061	206.327	1.00288.56
ATOM O	33629	O	SER	L	7	110.556	123.349	205.950	1.00346.43
ATOM N	33630	N	PRO	L	8	109.090	123.864	207.543	1.00306.38
ATOM C	33631	CA	PRO	L	8	107.961	124.645	208.029	1.00300.85
ATOM C	33632	CB	PRO	L	8	107.455	123.799	209.203	1.00321.39
ATOM C	33633	CG	PRO	L	8	108.697	123.114	209.733	1.00307.31
ATOM C	33634	CD	PRO	L	8	109.573	122.877	208.521	1.00320.52
ATOM C	33635	C	PRO	L	8	108.453	125.983	208.557	1.00291.81
ATOM O	33636	O	PRO	L	8	109.620	126.123	208.921	1.00277.80
ATOM N	33637	N	SER	L	9	107.534	126.947	208.579	1.00281.19
ATOM C	33638	CA	SER	L	9	107.769	128.267	209.136	1.00303.50
ATOM C	33639	CB	SER	L	9	106.573	129.111	208.854	1.00290.80
ATOM O	33640	OG	SER	L	9	105.432	128.274	208.729	1.00271.99
ATOM C	33641	C	SER	L	9	108.028	128.164	210.637	1.00319.61
ATOM O	33642	O	SER	L	9	108.892	128.856	211.172	1.00306.31
ATOM N	33643	N	THR	L	10	107.251	127.303	211.301	1.00343.36
ATOM C	33644	CA	THR	L	10	107.434	126.991	212.709	1.00343.42
ATOM C	33645	CB	THR	L	10	106.276	127.551	213.554	1.00348.24
ATOM O	33646	OG1	THR	L	10	106.109	128.951	213.320	1.00322.00
ATOM C	33647	CG2	THR	L	10	106.454	127.328	215.041	1.00326.14
ATOM C	33648	C	THR	L	10	107.647	125.481	212.828	1.00333.55
ATOM O	33649	O	THR	L	10	106.904	124.700	212.230	1.00282.81





ATOM C	33700	CZ	ARG	L	18	116.851	113.612	208.973	1.00342.78
ATOM N	33701	NH1	ARG	L	18	115.674	113.894	209.507	1.00353.29
ATOM N	33702	NH2	ARG	L	18	117.101	113.956	207.722	1.00362.42
ATOM C	33703	C	ARG	L	18	115.754	115.765	213.355	1.00350.09
ATOM O	33704	O	ARG	L	18	114.726	115.294	212.855	1.00272.75
ATOM N	33705	N	VAL	L	19	116.081	117.063	213.254	1.00362.36
ATOM C	33706	CA	VAL	L	19	115.166	118.063	212.721	1.00310.61
ATOM C	33707	CB	VAL	L	19	115.148	119.332	213.596	1.00349.50
ATOM C	33708	CG1	VAL	L	19	114.317	120.440	212.965	1.00355.03
ATOM C	33709	CG2	VAL	L	19	114.641	119.027	214.998	1.00318.95
ATOM C	33710	C	VAL	L	19	115.502	118.368	211.259	1.00271.21
ATOM O	33711	O	VAL	L	19	116.648	118.227	210.825	1.00236.40
ATOM N	33712	N	THR	L	20	114.479	118.786	210.502	1.00236.38
ATOM C	33713	CA	THR	L	20	114.653	119.081	209.087	1.00265.64
ATOM C	33714	CB	THR	L	20	114.163	117.918	208.206	1.00274.01
ATOM O	33715	OG1	THR	L	20	114.819	116.725	208.631	1.00283.36
ATOM C	33716	CG2	THR	L	20	114.425	118.107	206.727	1.00237.73
ATOM C	33717	C	THR	L	20	114.025	120.431	208.736	1.00241.46
ATOM O	33718	O	THR	L	20	112.813	120.610	208.824	1.00219.80
ATOM N	33719	N	ILE	L	21	114.868	121.378	208.312	1.00223.17
ATOM C	33720	CA	ILE	L	21	114.391	122.634	207.757	1.00228.13
ATOM C	33721	CB	ILE	L	21	114.956	123.854	208.534	1.00274.30
ATOM C	33722	CG1	ILE	L	21	114.909	123.695	210.057	1.00287.73
ATOM C	33723	CG2	ILE	L	21	114.286	125.154	208.111	1.00286.11
ATOM C	33724	CD1	ILE	L	21	115.400	124.929	210.797	1.00269.65

ATOM C	33725	C	ILE	L	21	114.738	122.655	206.260	1.00211.60
ATOM O	33726	O	ILE	L	21	115.832	122.249	205.859	1.00157.48
ATOM N	33727	N	THR	L	22	113.790	123.144	205.442	1.00218.23
ATOM C	33728	CA	THR	L	22	113.894	123.226	203.989	1.00194.30
ATOM C	33729	CB	THR	L	22	112.939	122.201	203.351	1.00222.79
ATOM O	33730	OG1	THR	L	22	112.633	121.120	204.240	1.00209.22
ATOM C	33731	CG2	THR	L	22	113.421	121.675	202.016	1.00238.47
ATOM C	33732	C	THR	L	22	113.546	124.641	203.492	1.00202.49
ATOM O	33733	O	THR	L	22	112.476	125.164	203.797	1.00218.06
ATOM N	33734	N	CYS	L	23	114.442	125.266	202.708	1.00192.83
ATOM C	33735	CA	CYS	L	23	114.192	126.578	202.117	1.00192.96
ATOM C	33736	CB	CYS	L	23	115.475	127.397	202.061	1.00203.15
ATOM S	33737	SG	CYS	L	23	115.201	129.167	201.793	1.00236.25
ATOM C	33738	C	CYS	L	23	113.631	126.428	200.700	1.00207.63
ATOM O	33739	O	CYS	L	23	113.729	125.362	200.101	1.00219.09
ATOM N	33740	N	ARG	L	24	113.046	127.502	200.151	1.00231.26
ATOM C	33741	CA	ARG	L	24	112.388	127.428	198.849	1.00228.94
ATOM C	33742	CB	ARG	L	24	110.910	127.024	198.972	1.00236.46
ATOM C	33743	CG	ARG	L	24	110.213	126.667	197.657	1.00251.35
ATOM C	33744	CD	ARG	L	24	110.156	125.175	197.339	1.00234.31
ATOM N	33745	NE	ARG	L	24	110.714	124.627	198.586	1.00280.17
ATOM C	33746	CZ	ARG	L	24	111.190	123.399	198.747	1.00332.30
ATOM N	33747	NH1	ARG	L	24	111.154	122.559	197.715	1.00369.84
ATOM N	33748	NH2	ARG	L	24	111.676	122.987	199.935	1.00374.39
ATOM C	33749	C	ARG	L	24	112.481	128.762	198.111	1.00201.14

















ATOM C	33925	C	LEU	L	46	127.266	129.730	210.402	1.00199.02
ATOM O	33926	O	LEU	L	46	127.815	129.527	211.493	1.00126.05
ATOM N	33927	N	LEU	L	47	126.581	128.809	209.728	1.00229.28
ATOM C	33928	CA	LEU	L	47	126.516	127.418	210.122	1.00226.13
ATOM C	33929	CB	LEU	L	47	125.113	127.105	210.653	1.00225.61
ATOM C	33930	CG	LEU	L	47	124.943	127.116	212.175	1.00218.72
ATOM C	33931	CD1	LEU	L	47	125.558	128.357	212.850	1.00149.51
ATOM C	33932	CD2	LEU	L	47	123.473	126.935	212.548	1.00222.29
ATOM C	33933	C	LEU	L	47	126.890	126.536	208.930	1.00244.95
ATOM O	33934	O	LEU	L	47	127.295	125.395	209.146	1.00264.80
ATOM N	33935	N	ILE	L	48	126.762	127.061	207.689	1.00249.25
ATOM C	33936	CA	ILE	L	48	126.991	126.315	206.448	1.00210.85
ATOM C	33937	CB	ILE	L	48	125.751	125.470	206.037	1.00199.30
ATOM C	33938	CG1	ILE	L	48	124.622	125.390	207.085	1.00189.07
ATOM C	33939	CG2	ILE	L	48	126.160	124.125	205.438	1.00167.85
ATOM C	33940	CD1	ILE	L	48	124.748	124.320	208.162	1.00207.74
ATOM C	33941	C	ILE	L	48	127.354	127.259	205.290	1.00169.95
ATOM O	33942	O	ILE	L	48	126.509	128.053	204.895	1.00132.20
ATOM N	33943	N	TYR	L	49	128.557	127.112	204.686	1.00194.62
ATOM C	33944	CA	TYR	L	49	128.968	127.774	203.436	1.00183.38
ATOM C	33945	CB	TYR	L	49	130.406	128.333	203.497	1.00188.64
ATOM C	33946	CG	TYR	L	49	131.529	127.334	203.275	1.00267.83
ATOM C	33947	CD1	TYR	L	49	131.852	126.361	204.218	1.00297.95
ATOM C	33948	CE1	TYR	L	49	132.882	125.447	204.017	1.00299.50
ATOM C	33949	CZ	TYR	L	49	133.623	125.485	202.846	1.00317.37



ATOM N	33975	N	SER L	53	128.243	122.031	202.678	1.00207.18
ATOM C	33976	CA	SER L	53	129.557	121.878	203.288	1.00204.49
ATOM C	33977	CB	SER L	53	130.645	122.480	202.388	1.00212.23
ATOM O	33978	OG	SER L	53	130.362	122.369	200.983	1.00138.87
ATOM C	33979	C	SER L	53	129.608	122.511	204.681	1.00168.81
ATOM O	33980	O	SER L	53	129.624	123.731	204.808	1.00119.09
ATOM N	33981	N	LEU L	54	129.720	121.699	205.731	1.00176.22
ATOM C	33982	CA	LEU L	54	130.018	122.313	207.013	1.00218.91
ATOM C	33983	CB	LEU L	54	130.671	121.288	207.951	1.00228.11
ATOM C	33984	CG	LEU L	54	130.334	121.407	209.439	1.00236.29
ATOM C	33985	CD1	LEU L	54	128.915	121.917	209.643	1.00273.71
ATOM C	33986	CD2	LEU L	54	130.502	120.045	210.100	1.00196.41
ATOM C	33987	C	LEU L	54	130.906	123.548	206.803	1.00203.94
ATOM O	33988	O	LEU L	54	131.649	123.688	205.816	1.00123.49
ATOM N	33989	N	GLU L	55	130.737	124.487	207.732	1.00227.76
ATOM C	33990	CA	GLU L	55	131.665	125.580	207.930	1.00234.49
ATOM C	33991	CB	GLU L	55	130.877	126.895	208.007	1.00285.23
ATOM C	33992	CG	GLU L	55	131.677	128.157	207.712	1.00304.97
ATOM C	33993	CD	GLU L	55	132.852	128.042	206.758	1.00260.24
ATOM O	33994	OE1	GLU L	55	133.803	127.297	207.115	1.00151.03
ATOM O	33995	OE2	GLU L	55	132.816	128.703	205.671	1.00261.77
ATOM C	33996	C	GLU L	55	132.521	125.217	209.147	1.00230.78
ATOM O	33997	O	GLU L	55	132.183	124.296	209.908	1.00188.30
ATOM N	33998	N	SER L	56	133.642	125.932	209.299	1.00215.61
ATOM C	33999	CA	SER L	56	134.644	125.585	210.291	1.00242.53



ATOM C	34000	CB	SER	L	56	136.023	125.925	209.798	1.00240.15
ATOM O	34001	OG	SER	L	56	136.996	125.227	210.559	1.00320.39
ATOM C	34002	C	SER	L	56	134.338	126.251	211.631	1.00234.55
ATOM O	34003	O	SER	L	56	133.937	127.412	211.683	1.00211.58
ATOM N	34004	N	GLY	L	57	134.551	125.498	212.718	1.00237.25
ATOM C	34005	CA	GLY	L	57	134.281	125.986	214.060	1.00242.09
ATOM C	34006	C	GLY	L	57	132.840	125.687	214.463	1.00259.43
ATOM O	34007	O	GLY	L	57	132.466	125.900	215.619	1.00224.99
ATOM N	34008	N	VAL	L	58	132.070	125.187	213.479	1.00271.85
ATOM C	34009	CA	VAL	L	58	130.670	124.800	213.599	1.00271.51
ATOM C	34010	CB	VAL	L	58	129.900	124.999	212.276	1.00239.60
ATOM C	34011	CG1	VAL	L	58	128.775	123.989	212.098	1.00156.13
ATOM C	34012	CG2	VAL	L	58	129.364	126.415	212.136	1.00312.91
ATOM C	34013	C	VAL	L	58	130.614	123.336	214.023	1.00271.31
ATOM O	34014	O	VAL	L	58	131.251	122.500	213.381	1.00222.59
ATOM N	34015	N	PRO	L	59	129.884	122.987	215.113	1.00286.01
ATOM C	34016	CA	PRO	L	59	129.690	121.585	215.492	1.00296.48
ATOM C	34017	CB	PRO	L	59	128.789	121.680	216.727	1.00281.27
ATOM C	34018	CG	PRO	L	59	129.194	123.011	217.320	1.00251.80
ATOM C	34019	CD	PRO	L	59	129.308	123.910	216.106	1.00276.31
ATOM C	34020	C	PRO	L	59	129.107	120.734	214.366	1.00327.10
ATOM O	34021	O	PRO	L	59	128.387	121.232	213.501	1.00360.22
ATOM N	34022	N	SER	L	60	129.441	119.439	214.398	1.00314.82
ATOM C	34023	CA	SER	L	60	129.319	118.570	213.237	1.00280.12
ATOM C	34024	CB	SER	L	60	130.351	117.470	213.255	1.00232.99























ATOM C	34275	CG	ASN	L	92	122.862	132.547	192.292	1.00189.18
ATOM O	34276	OD1	ASN	L	92	122.064	131.910	191.615	1.00255.87
ATOM N	34277	ND2	ASN	L	92	124.049	132.894	191.820	1.00260.22
ATOM C	34278	C	ASN	L	92	123.754	135.207	193.409	1.00112.93
ATOM O	34279	O	ASN	L	92	124.811	135.442	192.844	1.00140.71
ATOM N	34280	N	SER	L	93	122.701	136.021	193.402	1.00138.80
ATOM C	34281	CA	SER	L	93	122.729	137.314	192.724	1.00161.10
ATOM C	34282	CB	SER	L	93	121.870	137.355	191.466	1.00143.85
ATOM O	34283	OG	SER	L	93	121.787	136.087	190.833	1.00152.47
ATOM C	34284	C	SER	L	93	122.250	138.391	193.685	1.00160.96
ATOM O	34285	O	SER	L	93	121.063	138.441	193.998	1.00190.80
ATOM N	34286	N	TYR	L	94	123.150	139.275	194.123	1.00134.97
ATOM C	34287	CA	TYR	L	94	122.669	140.423	194.870	1.00143.80
ATOM C	34288	CB	TYR	L	94	123.687	141.554	194.893	1.00118.12
ATOM C	34289	CG	TYR	L	94	124.706	141.335	195.954	1.00 90.68
ATOM C	34290	CD1	TYR	L	94	124.317	140.950	197.222	1.00 73.28
ATOM C	34291	CE1	TYR	L	94	125.291	140.690	198.175	1.00 94.26
ATOM C	34292	CZ	TYR	L	94	126.656	140.843	197.903	1.00111.28
ATOM O	34293	OH	TYR	L	94	127.652	140.590	198.846	1.00 74.75
ATOM C	34294	CE2	TYR	L	94	127.023	141.271	196.630	1.00112.44
ATOM C	34295	CD2	TYR	L	94	126.049	141.502	195.667	1.00 90.26
ATOM C	34296	C	TYR	L	94	121.440	141.022	194.198	1.00169.55
ATOM O	34297	O	TYR	L	94	121.270	140.880	192.982	1.00173.42
ATOM N	34298	N	PRO	L	95	120.583	141.750	194.961	1.00170.92
ATOM C	34299	CA	PRO	L	95	120.658	141.798	196.432	1.00148.57









































ATOM H	34750	HA	SER	L	131	97.615	150.577	233.377	1.00	60.01
ATOM H	34751	HB2	SER	L	131	100.093	150.865	234.684	1.00	63.74
ATOM H	34752	HB3	SER	L	131	99.822	149.813	233.524	1.00	63.74
ATOM H	34753	HG	SER	L	131	99.183	152.084	232.695	1.00	65.61
ATOM N	34754	N	VAL	L	132	96.963	148.615	234.656	1.00	46.82
ATOM C	34755	CA	VAL	L	132	96.641	147.380	235.362	1.00	48.65
ATOM C	34756	C	VAL	L	132	97.409	146.259	234.695	1.00	46.43
ATOM O	34757	O	VAL	L	132	97.395	146.152	233.467	1.00	48.57
ATOM C	34758	CB	VAL	L	132	95.132	147.074	235.334	1.00	45.95
ATOM C	34759	CG1	VAL	L	132	94.786	146.073	236.416	1.00	44.50
ATOM C	34760	CG2	VAL	L	132	94.339	148.317	235.476	1.00	46.26
ATOM H	34761	H	VAL	L	132	96.598	148.662	233.878	1.00	56.21
ATOM H	34762	HA	VAL	L	132	96.918	147.463	236.287	1.00	58.40
ATOM H	34763	HB	VAL	L	132	94.902	146.683	234.477	1.00	55.17
ATOM H	34764	HG11	VAL	L	132	93.825	145.948	236.434	1.00	53.43
ATOM H	34765	HG12	VAL	L	132	95.226	145.230	236.220	1.00	53.43
ATOM H	34766	HG13	VAL	L	132	95.091	146.415	237.271	1.00	53.43
ATOM H	34767	HG21	VAL	L	132	93.417	148.084	235.673	1.00	55.54
ATOM H	34768	HG22	VAL	L	132	94.708	148.846	236.200	1.00	55.54
ATOM H	34769	HG23	VAL	L	132	94.383	148.817	234.646	1.00	55.54
ATOM N	34770	N	VAL	L	133	98.058	145.417	235.492	1.00	43.73
ATOM C	34771	CA	VAL	L	133	99.015	144.441	234.986	1.00	41.24
ATOM C	34772	C	VAL	L	133	98.569	143.036	235.394	1.00	49.29
ATOM O	34773	O	VAL	L	133	98.145	142.803	236.535	1.00	47.17
ATOM C	34774	CB	VAL	L	133	100.448	144.764	235.445	1.00	46.92















ATOM C	34925	CG BARG	L 142	104.890	130.918	223.479	0.50	64.03
ATOM C	34926	CD AARG	L 142	104.583	132.052	222.019	0.50	69.14
ATOM C	34927	CD BARG	L 142	105.300	131.770	222.239	0.50	67.41
ATOM N	34928	NE AARG	L 142	104.114	133.353	221.517	0.50	66.01
ATOM N	34929	NE BARG	L 142	104.855	131.210	220.958	0.50	63.87
ATOM C	34930	CZ AARG	L 142	104.846	134.465	221.467	0.50	57.27
ATOM C	34931	CZ BARG	L 142	105.545	130.334	220.229	0.50	67.38
ATOM N	34932	NH1AARG	L 142	104.308	135.572	220.982	0.50	59.51
ATOM N	34933	NH1BARG	L 142	105.045	129.884	219.077	0.50	69.30
ATOM N	34934	NH2AARG	L 142	106.106	134.484	221.885	0.50	61.37
ATOM N	34935	NH2BARG	L 142	106.727	129.909	220.641	0.50	61.82
ATOM H	34936	H AARG	L 142	103.406	127.616	223.889	0.50	80.55
ATOM H	34937	H BARG	L 142	103.419	127.604	223.904	0.50	80.55
ATOM H	34938	HA AARG	L 142	103.315	129.739	225.374	0.50	76.52
ATOM H	34939	HA BARG	L 142	103.382	129.790	225.257	0.50	76.63
ATOM H	34940	HB2AARG	L 142	104.766	129.735	223.580	0.50	78.71
ATOM H	34941	HB2BARG	L 142	104.163	129.122	222.811	0.50	78.72
ATOM H	34942	HB3AARG	L 142	103.553	129.620	222.559	0.50	78.71
ATOM H	34943	HB3BARG	L 142	103.139	130.318	222.601	0.50	78.72
ATOM H	34944	HG2AARG	L 142	102.896	131.853	223.191	0.50	73.13
ATOM H	34945	HG2BARG	L 142	104.601	131.532	224.172	0.50	76.87
ATOM H	34946	HG3AARG	L 142	104.230	131.955	224.050	0.50	73.13
ATOM H	34947	HG3BARG	L 142	105.678	130.434	223.773	0.50	76.87
ATOM H	34948	HD2AARG	L 142	105.522	132.141	222.245	0.50	82.99
ATOM H	34949	HD2BARG	L 142	104.909	132.654	222.325	0.50	80.92































































ATOM C	35625	CB	GLU	L	187	88.198	157.233	239.418	1.00	68.27
ATOM C	35626	CG	GLU	L	187	89.579	157.234	240.031	1.00	70.47
ATOM C	35627	CD	GLU	L	187	90.124	158.615	240.297	1.00	86.94
ATOM O	35628	OE1	GLU	L	187	89.608	159.592	239.702	1.00	90.02
ATOM O1-	35629	OE2	GLU	L	187	91.075	158.721	241.108	1.00	92.13
ATOM H	35630	H	GLU	L	187	88.913	156.290	237.269	1.00	88.61
ATOM H	35631	HA	GLU	L	187	88.040	155.200	239.529	1.00	83.55
ATOM H	35632	HB2	GLU	L	187	88.185	157.886	238.701	1.00	81.95
ATOM H	35633	HB3	GLU	L	187	87.561	157.483	240.107	1.00	81.95
ATOM H	35634	HG2	GLU	L	187	89.545	156.761	240.878	1.00	84.60
ATOM H	35635	HG3	GLU	L	187	90.189	156.786	239.425	1.00	84.60
ATOM N	35636	N	LYS	L	188	85.883	155.646	237.376	1.00	74.87
ATOM C	35637	CA	LYS	L	188	84.491	155.396	237.016	1.00	71.47
ATOM C	35638	C	LYS	L	188	84.061	153.943	237.203	1.00	72.44
ATOM O	35639	O	LYS	L	188	82.927	153.599	236.857	1.00	72.08
ATOM C	35640	CB	LYS	L	188	84.267	155.796	235.552	1.00	63.13
ATOM C	35641	CG	LYS	L	188	84.059	157.310	235.356	1.00	73.57
ATOM C	35642	CD	LYS	L	188	84.376	157.843	233.951	1.00	80.62
ATOM C	35643	CE	LYS	L	188	83.766	157.023	232.828	1.00	92.87
ATOM N	35644	NZ	LYS	L	188	84.002	157.667	231.484	1.00	95.92
ATOM H	35645	H	LYS	L	188	86.400	155.690	236.689	1.00	89.88
ATOM H	35646	HA	LYS	L	188	83.927	155.941	237.585	1.00	85.80
ATOM H	35647	HB2	LYS	L	188	85.042	155.534	235.032	1.00	75.78
ATOM H	35648	HB3	LYS	L	188	83.476	155.343	235.221	1.00	75.78
ATOM H	35649	HG2	LYS	L	188	83.129	157.518	235.540	1.00	88.31









ATOM C	35750	CB BCYS L 194	93.434	139.507	233.743	0.99	60.49
ATOM S	35751	SG ACYS L 194	94.528	139.083	235.148	0.01	67.47
ATOM S	35752	SG BCYS L 194	94.455	139.029	235.073	0.99	70.75
ATOM H	35753	H ACYS L 194	91.837	139.869	235.865	0.01	60.22
ATOM H	35754	H BCYS L 194	91.839	139.871	235.865	0.99	60.22
ATOM H	35755	HA ACYS L 194	91.514	139.804	233.168	0.01	70.07
ATOM H	35756	HA BCYS L 194	91.507	139.825	233.184	0.99	70.43
ATOM H	35757	HB2ACYS L 194	93.696	138.986	233.021	0.01	72.15
ATOM H	35758	HB2BCYS L 194	93.670	138.942	232.990	0.99	72.62
ATOM H	35759	HB3ACYS L 194	93.625	140.475	233.575	0.01	72.15
ATOM H	35760	HB3BCYS L 194	93.644	140.431	233.543	0.99	72.62
ATOM N	35761	N GLU L 195	90.987	137.440	232.923	1.00	58.14
ATOM C	35762	CA GLU L 195	90.532	136.076	232.757	1.00	60.64
ATOM C	35763	C GLU L 195	91.503	135.408	231.809	1.00	57.40
ATOM O	35764	O GLU L 195	91.857	135.965	230.760	1.00	56.09
ATOM C	35765	CB GLU L 195	89.116	136.044	232.196	1.00	65.96
ATOM C	35766	CG GLU L 195	88.367	134.704	232.254	1.00	78.25
ATOM C	35767	CD GLU L 195	87.145	134.728	231.316	1.00	86.12
ATOM O	35768	OE1 GLU L 195	87.326	135.037	230.109	1.00	82.51
ATOM O1-	35769	OE2 GLU L 195	86.006	134.498	231.783	1.00	92.32
ATOM H	35770	H GLU L 195	90.875	137.906	232.210	1.00	69.79
ATOM H	35771	HA GLU L 195	90.518	135.597	233.601	1.00	72.80
ATOM H	35772	HB2 GLU L 195	88.584	136.684	232.693	1.00	79.18
ATOM H	35773	HB3 GLU L 195	89.160	136.300	231.262	1.00	79.18
ATOM H	35774	HG2 GLU L 195	88.959	133.989	231.973	1.00	93.92









ATOM O	35850	O	LEU L 201	91.648	124.614	231.404	1.00	68.88
ATOM C	35851	CB	LEU L 201	93.312	126.447	233.029	1.00	66.51
ATOM C	35852	CG	LEU L 201	94.500	127.225	233.573	1.00	65.94
ATOM C	35853	CD1	LEU L 201	94.300	128.679	233.177	1.00	58.26
ATOM C	35854	CD2	LEU L 201	94.648	127.062	235.093	1.00	55.37
ATOM H	35855	H	LEU L 201	94.363	124.768	231.298	1.00	77.49
ATOM H	35856	HA	LEU L 201	93.602	124.601	233.892	1.00	73.35
ATOM H	35857	HB2	LEU L 201	93.171	126.753	232.119	1.00	79.83
ATOM H	35858	HB3	LEU L 201	92.548	126.681	233.579	1.00	79.83
ATOM H	35859	HG	LEU L 201	95.333	126.888	233.204	1.00	79.15
ATOM H	35860	HD11	LEU L 201	95.039	129.203	233.520	1.00	69.93
ATOM H	35861	HD12	LEU L 201	94.269	128.740	232.209	1.00	69.93
ATOM H	35862	HD13	LEU L 201	93.466	128.996	233.555	1.00	69.93
ATOM H	35863	HD21	LEU L 201	95.303	127.700	235.418	1.00	66.47
ATOM H	35864	HD22	LEU L 201	93.789	127.227	235.514	1.00	66.47
ATOM H	35865	HD23	LEU L 201	94.942	126.159	235.288	1.00	66.47
ATOM N	35866	N	SER L 202	91.445	123.548	233.392	1.00	72.88
ATOM C	35867	CA	SER L 202	90.171	122.926	233.026	1.00	75.35
ATOM C	35868	C	SER L 202	89.116	123.968	232.707	1.00	73.07
ATOM O	35869	O	SER L 202	88.259	123.745	231.848	1.00	77.28
ATOM C	35870	CB	SER L 202	89.686	122.009	234.156	1.00	69.47
ATOM O	35871	OG	SER L 202	89.741	122.698	235.390	1.00	73.84
ATOM H	35872	H	SER L 202	91.717	123.364	234.188	1.00	87.48
ATOM H	35873	HA	SER L 202	90.307	122.381	232.236	1.00	90.45
ATOM H	35874	HB2	SER L 202	88.770	121.742	233.979	1.00	83.40

ATOM H	35875	HB3	SER L 202	90.258	121.227	234.201	1.00	83.40
ATOM H	35876	HG	SER L 202	89.784	122.149	236.024	1.00	88.64
ATOM N	35877	N	SER L 203	89.153	125.107	233.379	1.00	80.13
ATOM C	35878	CA	SER L 203	88.299	126.214	232.964	1.00	78.19
ATOM C	35879	C	SER L 203	89.042	127.532	233.179	1.00	77.88
ATOM O	35880	O	SER L 203	90.119	127.541	233.794	1.00	75.80
ATOM C	35881	CB	SER L 203	86.967	126.182	233.719	1.00	74.33
ATOM O	35882	OG	SER L 203	87.149	126.135	235.120	1.00	63.86
ATOM H	35883	H	SER L 203	89.652	125.262	234.062	1.00	96.18
ATOM H	35884	HA	SER L 203	88.090	126.141	232.021	1.00	93.86
ATOM H	35885	HB2	SER L 203	86.465	126.983	233.499	1.00	89.23
ATOM H	35886	HB3	SER L 203	86.472	125.393	233.444	1.00	89.23
ATOM H	35887	HG	SER L 203	86.441	126.366	235.510	1.00	76.65
ATOM N	35888	N	PRO L 204	88.523	128.650	232.667	1.00	68.10
ATOM C	35889	CA	PRO L 204	89.253	129.915	232.791	1.00	66.28
ATOM C	35890	C	PRO L 204	89.457	130.314	234.249	1.00	68.07
ATOM O	35891	O	PRO L 204	88.568	130.178	235.090	1.00	64.68
ATOM C	35892	CB	PRO L 204	88.365	130.921	232.039	1.00	67.93
ATOM C	35893	CG	PRO L 204	87.597	130.098	231.061	1.00	70.22
ATOM C	35894	CD	PRO L 204	87.354	128.774	231.769	1.00	73.57
ATOM H	35895	HA	PRO L 204	90.116	129.851	232.354	1.00	79.56
ATOM H	35896	HB2	PRO L 204	87.769	131.367	232.663	1.00	81.55
ATOM H	35897	HB3	PRO L 204	88.918	131.576	231.584	1.00	81.55
ATOM H	35898	HG2	PRO L 204	86.757	130.535	230.846	1.00	84.30
ATOM H	35899	HG3	PRO L 204	88.119	129.970	230.253	1.00	84.30













ATOM C	36025	C	GLY L 212	90.127	150.075	247.747	1.00	99.59
ATOM O	36026	O	GLY L 212	89.322	150.121	248.682	1.00	105.53
ATOM H	36027	H	GLY L 212	90.996	150.698	245.012	1.00	100.22
ATOM H	36028	HA2	GLY L 212	90.874	151.761	246.889	1.00	104.41
ATOM H	36029	HA3	GLY L 212	89.298	151.685	246.820	1.00	104.41
ATOM N	36030	N	GLU L 213	91.024	149.083	247.596	1.00	108.00
ATOM C	36031	CA	GLU L 213	91.158	147.929	248.493	1.00	107.66
ATOM C	36032	C	GLU L 213	89.820	147.526	249.102	1.00	118.21
ATOM O	36033	O	GLU L 213	89.629	147.633	250.317	1.00	131.64
ATOM C	36034	CB	GLU L 213	92.164	148.218	249.615	1.00	115.92
ATOM C	36035	CG	GLU L 213	92.476	147.027	250.544	1.00	111.50
ATOM C	36036	CD	GLU L 213	93.475	146.040	249.939	1.00	113.86
ATOM O	36037	OE1	GLU L 213	94.689	146.344	249.962	1.00	98.38
ATOM O1-	36038	OE2	GLU L 213	93.049	144.973	249.436	1.00	109.69
ATOM H	36039	H	GLU L 213	91.593	149.057	246.952	1.00	129.63
ATOM H	36040	HA	GLU L 213	91.484	147.184	247.965	1.00	129.22
ATOM H	36041	HB2	GLU L 213	93.001	148.497	249.210	1.00	139.13
ATOM H	36042	HB3	GLU L 213	91.810	148.933	250.168	1.00	139.13
ATOM H	36043	HG2	GLU L 213	92.853	147.364	251.374	1.00	133.83
ATOM H	36044	HG3	GLU L 213	91.653	146.545	250.726	1.00	133.83
ATOM N	36045	N	CYS L 214	88.896	147.070	248.266	1.00	114.23
ATOM C	36046	CA	CYS L 214	87.564	146.663	248.714	1.00	146.10
ATOM C	36047	C	CYS L 214	87.323	145.212	248.306	1.00	125.35
ATOM O	36048	O	CYS L 214	86.383	144.571	248.765	1.00	128.94
ATOM C	36049	CB	CYS L 214	86.491	147.591	248.121	1.00	142.25

