

Res	Name	Atom	Count	Min.	Max.	Avg.	Std Dev
ALA	H	H	27648	3.53	11.48	8.19	0.60
ALA	HA	H	20783	0.87	6.51	4.26	0.44
ALA	HB	H	19627	-0.83	3.12	1.36	0.25
ALA	C	C	16840	164.48	187.20	177.75	2.16
ALA	CA	C	23168	44.22	65.52	53.17	1.98
ALA	CB	C	21772	0.00	38.70	18.99	1.82
ALA	N	N	25290	77.10	142.81	123.21	3.55
ARG	H	H	18643	3.64	12.69	8.24	0.61
ARG	HA	H	14482	1.34	6.10	4.30	0.46
ARG	HB2	H	13026	-0.77	3.44	1.80	0.27
ARG	HB3	H	12185	-0.86	3.32	1.76	0.28
ARG	HG2	H	11656	-0.69	3.51	1.57	0.27
ARG	HG3	H	10541	-0.67	3.51	1.55	0.29
ARG	HD2	H	11379	0.89	4.69	3.12	0.24
ARG	HD3	H	10106	0.89	4.56	3.11	0.26
ARG	HE	H	3760	2.99	11.88	7.39	0.63
ARG	HH11	H	370	5.88	9.82	6.91	0.46
ARG	HH12	H	267	6.01	8.76	6.81	0.32
ARG	HH21	H	336	5.90	11.35	6.82	0.48
ARG	HH22	H	262	5.97	10.18	6.75	0.36
ARG	C	C	10774	167.44	184.51	176.45	2.04
ARG	CA	C	15240	43.27	67.98	56.81	2.31
ARG	CB	C	13938	20.95	42.50	30.68	1.83
ARG	CG	C	8839	18.22	37.83	27.23	1.18
ARG	CD	C	8986	35.05	49.06	43.17	0.87
ARG	CZ	C	212	156.20	177.70	160.01	3.04
ARG	N	N	16474	102.94	137.60	120.78	3.68
ARG	NE	N	1925	67.00	99.81	84.67	1.74
ARG	NH1	N	62	67.60	87.07	73.69	4.41
ARG	NH2	N	53	70.10	85.28	73.30	3.38
ASP	H	H	21718	4.06	12.68	8.31	0.58
ASP	HA	H	16402	2.33	6.33	4.60	0.31
ASP	HB2	H	15192	-0.39	4.58	2.72	0.27
ASP	HB3	H	14474	0.02	4.58	2.67	0.28
ASP	HD2	H	4	4.65	6.03	5.25	0.58
ASP	C	C	13299	166.80	182.70	176.43	1.76
ASP	CA	C	18444	44.81	67.17	54.70	2.03
ASP	CB	C	17246	27.48	51.09	40.88	1.63
ASP	CG	C	271	170.72	183.66	179.07	1.76
ASP	N	N	20085	101.90	143.52	120.66	3.89
ASP	OD1	O	20	177.59	180.97	179.66	0.91
ASN	H	H	15277	2.61	12.40	8.34	0.62
ASN	HA	H	11832	2.46	6.43	4.67	0.36
ASN	HB2	H	11001	0.23	4.47	2.81	0.31
ASN	HB3	H	10523	-0.04	4.47	2.76	0.33
ASN	HD21	H	8113	3.55	9.60	7.35	0.47
ASN	HD22	H	8046	3.08	10.80	7.13	0.48
ASN	C	C	8988	167.04	181.90	175.30	1.79
ASN	CA	C	12759	41.31	61.80	53.55	1.88
ASN	CB	C	11906	28.64	55.09	38.71	1.68

Res	Name	Atom	Count	Min.	Max.	Avg.	Std Dev
ASN	CG	C	885	166.40	181.20	176.76	1.37
ASN	N	N	13608	101.71	137.49	118.93	4.02
ASN	ND2	N	6564	99.40	133.86	112.76	2.22
CYS	H	H	8196	4.73	12.12	8.40	0.67
CYS	HA	H	7133	1.64	6.43	4.67	0.55
CYS	HB2	H	6802	-0.54	4.65	2.95	0.45
CYS	HB3	H	6624	-0.83	4.69	2.89	0.47
CYS	HG	H	62	0.25	7.39	1.94	1.38
CYS	C	C	3422	166.73	182.73	174.88	2.05
CYS	CA	C	4909	42.45	67.64	58.19	3.39
CYS	CB	C	4506	17.99	62.07	32.81	6.26
CYS	N	N	5638	100.48	175.10	120.10	4.66
GLU	H	H	28522	4.31	12.17	8.33	0.60
GLU	HA	H	21784	1.39	6.29	4.25	0.41
GLU	HB2	H	19788	0.34	3.44	2.03	0.21
GLU	HB3	H	18269	0.34	3.44	2.00	0.22
GLU	HG2	H	18320	0.53	3.77	2.27	0.21
GLU	HG3	H	16693	0.56	3.80	2.25	0.21
GLU	HE2	H	1	2.73	2.73	2.73	0.00
GLU	C	C	17995	166.80	182.99	176.92	1.96
GLU	CA	C	24581	44.35	64.60	57.36	2.08
GLU	CB	C	22835	18.71	43.70	30.00	1.72
GLU	CG	C	15147	25.31	44.34	36.11	1.20
GLU	CD	C	306	173.41	188.01	182.33	1.80
GLU	N	N	26743	104.54	138.60	120.66	3.50
GLU	OE1	O	1	184.19	184.19	184.19	0.00
GLN	H	H	15320	3.51	12.04	8.22	0.59
GLN	HA	H	11855	1.60	6.34	4.27	0.43
GLN	HB2	H	10737	-0.10	4.00	2.05	0.25
GLN	HB3	H	10041	-0.57	4.04	2.02	0.27
GLN	HG2	H	10067	0.09	3.66	2.32	0.27
GLN	HG3	H	9063	-0.23	3.66	2.30	0.29
GLN	HE21	H	7446	3.69	11.11	7.24	0.45
GLN	HE22	H	7395	3.59	9.79	7.02	0.44
GLN	C	C	9356	168.09	182.22	176.35	1.96
GLN	CA	C	13150	47.87	66.60	56.61	2.13
GLN	CB	C	12193	20.27	42.20	29.18	1.82
GLN	CG	C	8204	21.64	42.80	33.78	1.12
GLN	CD	C	827	171.70	183.50	179.68	1.31
GLN	N	N	14124	104.10	139.55	119.89	3.61
GLN	NE2	N	6418	92.49	124.30	111.86	1.77
GLY	H	H	27262	3.01	12.22	8.33	0.65
GLY	HA2	H	20726	0.86	6.43	3.97	0.38
GLY	HA3	H	19498	1.04	6.39	3.90	0.37
GLY	C	C	16244	163.27	184.32	173.91	1.89
GLY	CA	C	22891	35.78	58.67	45.37	1.35
GLY	N	N	24426	42.65	162.19	109.64	3.89
HIS	H	H	8115	5.24	12.39	8.24	0.68

Res	Name	Atom	Count	Min.	Max.	Avg.	Std Dev
HIS	HA	H	6245	1.93	8.90	4.61	0.44
HIS	HB2	H	5763	0.18	8.70	3.10	0.36
HIS	HB3	H	5565	0.39	8.70	3.04	0.38
HIS	HD1	H	288	3.79	17.20	8.77	2.67
HIS	HD2	H	4052	3.46	9.01	7.02	0.44
HIS	HE1	H	3300	3.21	10.88	7.96	0.51
HIS	HE2	H	131	6.57	16.53	9.68	2.61
HIS	C	C	4903	166.90	182.80	175.27	1.98
HIS	CA	C	6958	46.01	66.98	56.49	2.32
HIS	CB	C	6481	18.75	43.30	30.22	2.08
HIS	CG	C	84	122.67	137.19	131.45	3.23
HIS	CD2	C	2344	112.07	159.95	120.42	3.38
HIS	CE1	C	1806	104.67	144.54	137.60	2.30
HIS	N	N	7391	105.00	136.48	119.63	4.01
HIS	ND1	N	146	162.04	229.14	195.21	18.31
HIS	NE2	N	161	161.70	226.29	181.70	13.86
ILE	H	H	19500	3.43	11.69	8.28	0.69
ILE	HA	H	14891	1.32	6.36	4.18	0.56
ILE	HB	H	13924	-1.28	3.87	1.79	0.29
ILE	HG12	H	12574	-2.38	2.69	1.28	0.40
ILE	HG13	H	11977	-2.04	2.99	1.20	0.41
ILE	HG2	H	13193	-1.14	2.20	0.77	0.27
ILE	HD1	H	13285	-1.08	2.82	0.68	0.29
ILE	C	C	12201	167.00	183.40	175.88	1.93
ILE	CA	C	16673	51.15	71.70	61.65	2.69
ILE	CB	C	15449	20.94	51.88	38.61	2.02
ILE	CG1	C	10151	12.90	39.05	27.74	1.71
ILE	CG2	C	10841	3.45	29.80	17.54	1.38
ILE	CD1	C	10939	2.70	29.60	13.46	1.68
ILE	N	N	17952	99.00	138.12	121.45	4.31
LEU	H	H	32051	4.08	13.22	8.22	0.65
LEU	HA	H	24329	1.58	6.24	4.32	0.47
LEU	HB2	H	22222	-1.25	3.18	1.62	0.34
LEU	HB3	H	21020	-1.47	3.18	1.53	0.36
LEU	HG	H	19676	-1.06	3.90	1.51	0.33
LEU	HD1	H	21814	-1.73	2.36	0.76	0.28
LEU	HD2	H	20965	-1.65	2.78	0.73	0.29
LEU	C	C	19739	167.49	189.78	177.01	2.00
LEU	CA	C	27265	46.36	65.83	55.66	2.13
LEU	CB	C	25375	26.40	53.70	42.30	1.88
LEU	CG	C	15829	15.57	39.56	26.80	1.12
LEU	CD1	C	17474	10.95	31.83	24.71	1.59
LEU	CD2	C	16583	11.71	30.40	24.09	1.68
LEU	N	N	29448	40.20	144.55	121.83	3.94
LYS	H	H	27749	4.11	12.03	8.19	0.61
LYS	HA	H	21162	1.30	6.17	4.27	0.44
LYS	HB2	H	19056	-0.84	4.05	1.78	0.25
LYS	HB3	H	17641	-0.97	3.95	1.75	0.27
LYS	HG2	H	17104	-1.16	3.13	1.37	0.26
LYS	HG3	H	15394	-1.16	3.03	1.35	0.28

Res	Name	Atom	Count	Min.	Max.	Avg.	Std Dev
LYS	HD2	H	15148	-0.67	7.71	1.61	0.22
LYS	HD3	H	13130	-1.02	3.61	1.60	0.23
LYS	HE2	H	15019	1.25	4.36	2.92	0.19
LYS	HE3	H	12716	1.13	4.55	2.91	0.20
LYS	HZ	H	687	1.95	9.90	7.41	0.67
LYS	C	C	16339	166.63	185.00	176.68	1.97
LYS	CA	C	22674	46.60	63.39	56.97	2.19
LYS	CB	C	21065	21.19	46.60	32.79	1.78
LYS	CG	C	13386	12.11	36.22	24.92	1.13
LYS	CD	C	12717	21.20	41.54	28.96	1.11
LYS	CE	C	12330	30.48	52.20	41.90	0.81
LYS	N	N	24908	101.10	140.30	121.04	3.78
LYS	NZ	N	14	31.00	43.69	34.10	2.97
MET	H	H	7680	4.87	12.46	8.26	0.60
MET	HA	H	6062	1.13	6.35	4.41	0.48
MET	HB2	H	5443	-1.05	3.87	2.03	0.34
MET	HB3	H	5043	-0.99	3.22	1.99	0.34
MET	HG2	H	4959	-0.36	4.40	2.43	0.36
MET	HG3	H	4627	-0.30	4.24	2.39	0.39
MET	HE	H	3390	-0.21	17.06	1.89	0.48
MET	C	C	4838	167.40	183.16	176.21	2.10
MET	CA	C	6873	45.50	66.56	56.14	2.24
MET	CB	C	6265	20.98	46.46	33.00	2.24
MET	CG	C	3874	20.46	38.58	32.03	1.25
MET	CE	C	2839	0.00	39.44	17.13	1.75
MET	N	N	7140	87.60	135.66	120.09	3.58
PHE	H	H	13833	4.81	12.18	8.36	0.72
PHE	HA	H	10469	1.78	6.57	4.62	0.57
PHE	HB2	H	9732	0.16	4.46	3.00	0.37
PHE	HB3	H	9428	-0.14	4.31	2.94	0.39
PHE	HD1	H	8186	4.97	8.08	7.06	0.30
PHE	HD2	H	6645	4.97	8.15	7.07	0.30
PHE	HE1	H	7177	4.38	8.80	7.09	0.31
PHE	HE2	H	5932	4.38	8.80	7.08	0.32
PHE	HZ	H	5152	4.53	9.50	7.00	0.42
PHE	C	C	8411	166.85	184.16	175.47	1.98
PHE	CA	C	11588	47.31	69.82	58.13	2.57
PHE	CB	C	10784	25.52	48.53	39.95	2.09
PHE	CG	C	108	128.30	144.00	138.31	1.91
PHE	CD1	C	4320	116.95	136.73	131.58	1.20
PHE	CD2	C	2762	120.00	138.25	131.67	1.08
PHE	CE1	C	3740	114.75	139.56	130.72	1.36
PHE	CE2	C	2408	118.03	139.70	130.81	1.07
PHE	CZ	C	2802	116.46	138.60	129.25	1.51
PHE	N	N	12596	102.20	139.02	120.45	4.15
PRO	HA	H	11828	1.63	6.05	4.40	0.33
PRO	HB2	H	11064	-0.28	4.35	2.07	0.35
PRO	HB3	H	10594	-1.07	3.79	2.01	0.36
PRO	HG2	H	9996	-0.47	4.42	1.93	0.31
PRO	HG3	H	9105	-0.90	4.42	1.90	0.33

Res	Name	Atom	Count	Min.	Max.	Avg.	Std Dev
PRO	HD2	H	10256	0.63	5.36	3.65	0.35
PRO	HD3	H	9780	-0.26	5.36	3.62	0.39
PRO	C	C	8846	168.38	182.30	176.74	1.53
PRO	CA	C	12729	50.12	70.67	63.35	1.54
PRO	CB	C	11810	24.69	43.70	31.85	1.19
PRO	CG	C	8100	18.28	33.90	27.21	1.07
PRO	CD	C	8169	40.05	58.30	50.35	0.97
PRO	N	N	283	111.56	145.26	133.85	6.77
SER	H	H	23411	2.96	13.13	8.28	0.59
SER	HA	H	18361	1.58	6.85	4.48	0.41
SER	HB2	H	16748	1.74	5.41	3.88	0.25
SER	HB3	H	15243	1.54	5.01	3.85	0.28
SER	HG	H	266	0.00	8.97	5.35	1.00
SER	C	C	14212	164.47	184.88	174.68	1.74
SER	CA	C	20036	45.13	68.40	58.76	2.10
SER	CB	C	18372	46.69	76.39	63.80	1.49
SER	N	N	21101	99.62	133.68	116.27	3.56
THR	H	H	20776	5.54	11.73	8.25	0.62
THR	HA	H	15844	0.87	6.36	4.46	0.48
THR	HB	H	14472	0.92	8.35	4.17	0.33
THR	HG1	H	488	0.32	8.95	4.96	1.57
THR	HG2	H	14332	-1.19	3.54	1.14	0.23
THR	C	C	12262	165.50	184.43	174.58	1.76
THR	CA	C	17226	51.61	72.80	62.24	2.60
THR	CB	C	15798	33.00	80.22	69.73	1.67
THR	CG2	C	10742	11.70	36.73	21.57	1.10
THR	N	N	18781	95.77	138.27	115.44	4.74
TRP	H	H	4384	5.16	11.67	8.29	0.78
TRP	HA	H	3300	2.28	6.55	4.68	0.52
TRP	HB2	H	3084	0.42	4.54	3.19	0.35
TRP	HB3	H	2965	0.77	4.44	3.13	0.36
TRP	HD1	H	2752	4.90	10.75	7.15	0.35
TRP	HE1	H	2965	5.12	14.39	10.10	0.59
TRP	HE3	H	2457	4.89	8.79	7.32	0.41
TRP	HZ2	H	2608	4.90	8.60	7.29	0.32
TRP	HZ3	H	2374	3.88	8.90	6.86	0.40
TRP	HH2	H	2413	4.53	10.90	6.98	0.38
TRP	C	C	2450	168.17	181.89	176.18	2.02
TRP	CA	C	3453	44.69	69.76	57.73	2.59
TRP	CB	C	3197	21.10	43.02	29.97	2.00
TRP	CG	C	103	105.30	116.53	110.60	1.87
TRP	CD1	C	1501	108.45	132.35	126.50	1.87
TRP	CD2	C	81	120.20	130.80	127.49	1.46
TRP	CE2	C	72	118.50	177.71	138.62	6.70
TRP	CE3	C	1272	111.86	137.60	120.48	1.61
TRP	CZ2	C	1422	81.81	124.10	114.25	1.39
TRP	CZ3	C	1288	113.32	138.39	121.41	1.49
TRP	CH2	C	1329	91.62	131.54	123.84	1.71
TRP	N	N	3778	106.44	138.11	121.69	4.12
TRP	NE1	N	2198	107.64	144.36	129.36	2.06

Res	Name	Atom	Count	Min.	Max.	Avg.	Std Dev
TYR	H	H	11688	4.16	11.98	8.32	0.74
TYR	HA	H	9025	1.20	6.73	4.63	0.56
TYR	HB2	H	8398	0.31	4.70	2.91	0.37
TYR	HB3	H	8154	-0.19	4.70	2.85	0.39
TYR	HD1	H	7459	4.82	8.53	6.94	0.30
TYR	HD2	H	6142	4.20	8.50	6.93	0.30
TYR	HE1	H	7113	2.78	7.86	6.71	0.23
TYR	HE2	H	5929	3.13	8.50	6.71	0.24
TYR	HH	H	138	5.99	13.75	9.33	1.39
TYR	C	C	6573	167.86	184.78	175.42	1.99
TYR	CA	C	9425	49.08	65.99	58.14	2.53
TYR	CB	C	8685	28.82	57.73	39.30	2.15
TYR	CG	C	96	117.70	174.59	129.74	5.22
TYR	CD1	C	3950	116.44	141.57	132.80	1.18
TYR	CD2	C	2455	113.00	136.70	132.75	1.34
TYR	CE1	C	3915	110.70	134.01	117.95	1.19
TYR	CE2	C	2436	113.10	134.01	117.92	1.24
TYR	CZ	C	81	153.54	162.70	156.65	2.09
TYR	N	N	10265	100.09	144.96	120.57	4.21
VAL	H	H	25283	3.98	12.59	8.29	0.68
VAL	HA	H	19346	0.97	6.30	4.18	0.58
VAL	HB	H	18122	-0.81	3.32	1.99	0.32
VAL	HG1	H	17765	-1.12	2.57	0.83	0.26
VAL	HG2	H	17280	-2.32	2.78	0.80	0.28
VAL	C	C	15547	165.65	183.69	175.66	1.89
VAL	CA	C	21437	50.16	70.34	62.53	2.88
VAL	CB	C	19905	20.55	45.33	32.72	1.79
VAL	CG1	C	14065	13.53	32.27	21.51	1.35
VAL	CG2	C	13455	13.58	30.46	21.31	1.56
VAL	N	N	23340	97.22	143.29	121.12	4.55