IMP		Atom1	Residues		Atom2	Distance
IMP		C3'	TYR	255	CE2	4.69
IMP		C3'	SER	251	CB	4.45
IMP		C4'	SER	251	CB	3.70
IMP		C5'	SER	251	CB	4.05
IMP		C4'	SER	251	CA	3.87
IMP		C5'	SER	251	CA	4.48
IMP		C4'	ASN	250	CB	4.65
IMP		C5'	ASN	250	CB	4.70
IMP		C4'	ASN	250	C	4.41
IMP		C2'	LYS	215	CE	4.72
IMP		C4	TYR	210	CZ	4.05
IMP		C2	TYR	210	CZ	3.76
IMP		C1'	TYR	210	CZ	3.84
IMP		C2'	TYR	210	CZ	3.77
IMP		C1'	TYR	210	CE2	4.38
IMP		C2'	TYR	210	CE2	3.90
IMP		C4	TYR	210	CE1	4.40
IMP		C2	TYR	210	CE1	3.42
IMP		C2	TYR	210	CD1	4.32
IMP		C2	HIS	209	CE1	4.01
IMP		C6	HIS	209	CE1	4.17
IMP		C5	HIS	209	CE1	4.75
IMP		C4	HIS	209	CD2	4.50
IMP		C2	HIS	209	CD2	3.99
IMP		C4	HIS	209	CG	4.46
IMP		C2	HIS	209	CG	3.31
IMP		C6	HIS	209	CG	4.70
IMP		C2	HIS	209	CB	3.43
IMP		C2	ASP	206	CA	4.47
IMP		C2	VAL	205	CG1	4.76
IMP		C6	VAL	205	CG1	4.54
IMP		C5	PHE	157	CZ	4.55
IMP		C8	PHE	157	CZ	3.79
IMP		C3'	PHE	157	CZ	4.14
IMP		C5'	PHE	157	CZ	4.64
IMP		C4	PHE	157	CE2	4.64
IMP		C5	PHE	157	CE2	4.11
IMP		C8	PHE	157	CE2	3.12
IMP		C3'	PHE	157	CE2	4.57
IMP		C5'	PHE	157	CE2	4.55
IMP		C5	PHE	157	CE1	4.54
IMP		C8	PHE	157	CE1	4.43
IMP		C4	PHE	157	CD2	4.48
IMP		C6	PHE	157	CD2	4.19
IMP		C5	PHE	157	CD2	3.58
IMP		C8	PHE	157	CD2	3.23
IMP		C4	PHE	157	CD1	4.78
IMP		C6	PHE	157	CD1	4.23
IMP		C5	PHE	157	CD1	4.05
IMP		C8	PHE	157	CD1	4.50
IMP		C4	PHE	157	CG	4.56
IMP		C6	PHE	157	CG	3.72
IMP		C5	PHE	157	CG	3.55
IMP		C8	PHE	157	CG	3.98
IMP		C6	PHE	157	CB	3.44
IMP		C5	PHE	157	CB	3.80
IMP		C8	PHE	157	CB	4.78
IMP		C6	PHE	157	CA	4.80
IMP		C3'	ASP	54	CG	3.98
IMP		C4'	ASP	54	CG	4.13
IMP		C5'	ASP	54	CG	3.32
IMP		C3'	ASP	54	CB	4.59
IMP		C4'	ASP	54	CB	4.47
IMP		C5'	ASP	54	CB	3.28
IMP		C5'	ASP	54	CA	4.37

19		Atom1	Residues		Atom2	Distance
PHO		C5	SER	251	CB	4.68
PHO		C5	SER	251	CA	4.76
PHO		C5	ASN	250	CG	4.64
BDR		C5	ASN	250	CB	4.02
BDR		C4	ASN	250	CB	4.47
PHO		C5	ASN	250	CB	3.64
PHO		C5	ASN	250	C	4.36
PHO		C5	ASN	250	CA	4.22
BDR		C2	TYR	210	CZ	4.32
BDR		C1	TYR	210	CZ	4.18
BDR		C1	TYR	210	CE1	4.73
CYT		C4	HIS	209	CE1	4.48
CYT		C2	HIS	209	CE1	3.66
BDR		C2	HIS	209	CD2	4.19
CYT		C2	HIS	209	CD2	3.94
BDR		C2	HIS	209	CG	4.59
CYT		C2	HIS	209	CG	3.70
CYT		C2	HIS	209	CB	4.34
CYT		C4	VAL	205	CG1	3.99
CYT		C2	VAL	205	CG1	4.77
CYT		C5	ASN	158	CG	4.74
BDR		C5	PHE	157	CZ	4.78
BDR		C3	PHE	157	CZ	3.42
BDR		C2	PHE	157	CZ	3.88
BDR		C1	PHE	157	CZ	4.74
BDR		C4	PHE	157	CZ	4.56
BDR		C5	PHE	157	CE2	4.10
BDR		C3	PHE	157	CE2	3.39
BDR		C2	PHE	157	CE2	3.97
BDR		C1	PHE	157	CE2	4.40
BDR		C4	PHE	157	CE2	4.10
CYT		C6	PHE	157	CE2	4.36
BDR		C3	PHE	157	CE1	4.21
BDR		C2	PHE	157	CE1	4.18
BDR		C5	PHE	157	CD2	4.79
BDR		C3	PHE	157	CD2	4.15
BDR		C2	PHE	157	CD2	4.35
BDR		C1	PHE	157	CD2	4.40
BDR		C4	PHE	157	CD2	4.66
CYT		C6	PHE	157	CD2	3.56
CYT		C5	PHE	157	CD2	3.94
CYT		C4	PHE	157	CD2	4.53
CYT		C2	PHE	157	CD2	4.55
BDR		C2	PHE	157	CD1	4.52
CYT		C6	PHE	157	CD1	4.57
CYT		C5	PHE	157	CD1	4.65
CYT		C4	PHE	157	CD1	4.53
CYT		C2	PHE	157	CD1	4.30
BDR		C2	PHE	157	CG	4.63
BDR		C1	PHE	157	CG	4.73
CYT		C6	PHE	157	CG	3.68
CYT		C5	PHE	157	CG	3.69
CYT		C4	PHE	157	CG	3.87
CYT		C2	PHE	157	CG	4.13
CYT		C6	PHE	157	CB	3.59
CYT		C5	PHE	157	CB	3.05
CYT		C4	PHE	157	CB	3.09
CYT		C2	PHE	157	CB	4.22
CYT		C5	PHE	157	C	4.47
CYT		C4	PHE	157	C	4.10
CYT		C5	PHE	157	CA	4.35
CYT		C4	PHE	157	CA	4.22
BDR		C3	ASP	54	CG	4.48
PHO		C5	ASP	54	CG	4.50
BDR		C5	ASP	54	CB	4.55
BDR		C3	ASP	54	CB	4.53
PHO		C5	ASP	54	CB	4.11

21	Atom1	Residues		Atom2	Distance
BDR	C3	SER	251	CB	4.39
BDR	C4	SER	251	CB	4.73
PHO	C5	SER	251	CB	3.99
BDR	C3	SER	251	CA	4.67
BDR	C4	SER	251	CA	4.65
PHO	C5	SER	251	CA	4.19
BDR	C5	ASN	250	CB	4.08
BDR	C4	ASN	250	CB	4.37
PHO	C5	ASN	250	CB	3.78
BDR	C5	ASN	250	C	4.78
BDR	C4	ASN	250	C	4.67
PHO	C5	ASN	250	C	4.06
PHO	C5	ASN	250	CA	4.07
PHO	C5	THR	249	C	4.78
BDR	C2	LYS	215	CE	4.58
BDR	C2	TYR	210	CZ	4.13
BDR	C1	TYR	210	CZ	3.56
ADE	1C21	TYR	210	CZ	4.49
ADE	C2	TYR	210	CZ	4.03
BDR	C2	TYR	210	CE2	4.22
BDR	C1	TYR	210	CE2	4.15
BDR	C1	TYR	210	CE1	4.48
ADE	1C21	TYR	210	CE1	3.83
ADE	C2	TYR	210	CE1	4.11
ADE	1C21	TYR	210	CD1	4.69
ADE	C6	HIS	209	CE1	3.81
ADE	C4	HIS	209	CE1	3.11
ADE	C2	HIS	209	CE1	4.09
ADE	C41	HIS	209	CE1	3.31
BDR	C2	HIS	209	CD2	4.45
BDR	C1	HIS	209	CD2	4.67
ADE	C6	HIS	209	CD2	3.28
ADE	C4	HIS	209	CD2	3.60
ADE	C2	HIS	209	CD2	3.87
ADE	C41	HIS	209	CD2	4.43
ADE	1C21	HIS	209	CG	4.50
ADE	C6	HIS	209	CG	3.81
ADE	C4	HIS	209	CG	3.47
ADE	C2	HIS	209	CG	3.63
ADE	C41	HIS	209	CG	3.99
ADE	1C21	HIS	209	CB	4.56
ADE	C6	HIS	209	CB	4.68
ADE	C4	HIS	209	CB	4.32
ADE	C2	HIS	209	CB	4.02
ADE	C41	HIS	209	CB	4.77
ADE	1C21	ASP	206	CG	3.97
ADE	1C21	ASP	206	CB	4.53
ADE	1C21	ASP	206	CA	3.97
ADE	1C21	VAL	205	CG1	4.32
ADE	C4	VAL	205	CG1	4.52
ADE	C41	VAL	205	CG1	3.25
ADE	C41	VAL	205	CB	4.61
ADE	1C21	VAL	205	C	4.60
ADE	C41	VAL	205	C	4.77
BDR	C5	PHE	157	CZ	4.66
BDR	C3	PHE	157	CZ	4.18
BDR	C2	PHE	157	CZ	4.58
BDR	C1	PHE	157	CZ	4.76
BDR	C4	PHE	157	CZ	4.71
ADE	C6	PHE	157	CZ	3.20
BDR	C5	PHE	157	CE2	4.24
BDR	C3	PHE	157	CE2	4.47
BDR	C1	PHE	157	CE2	4.79
BDR	C4	PHE	157	CE2	4.55
ADE	C6	PHE	157	CE2	3.42
ADE	C6	PHE	157	CE1	3.00
ADE	C4	PHE	157	CE1	4.42
ADE	C6	PHE	157	CD2	3.44
ADE	C4	PHE	157	CD2	4.30
ADE	C6	PHE	157	CD1	3.00
ADE	C4	PHE	157	CD1	3.77
ADE	C2	PHE	157	CD1	4.73
ADE	C41	PHE	157	CD1	4.63
ADE	C6	PHE	157	CG	3.26
ADE	C4	PHE	157	CG	3.71
ADE	C2	PHE	157	CG	4.65
ADE	C41	PHE	157	CG	4.42
ADE	C6	PHE	157	CB	4.13
ADE	C4	PHE	157	CB	3.79
ADE	C41	PHE	157	CB	3.99
BDR	C5	ASP	54	CG	4.35
BDR	C3	ASP	54	CG	4.00
PHO	C5	ASP	54	CG	4.22
BDR	C5	ASP	54	CB	4.03
BDR	C3	ASP	54	CB	4.49
PHO	C5	ASP	54	CB	4.01

23	Atom1	Residues		Atom2	Distance
PHO	C5	SER	251	CB	4.53
PHO	C5	SER	251	CA	4.64
PHO	C5	ASN	250	CG	4.74
BDR	C5	ASN	250	CB	4.28
BDR	C4	ASN	250	CB	4.56
PHO	C5	ASN	250	CB	3.70
PHO	C5	ASN	250	C	4.31
PHO	C5	ASN	250	CA	4.21
BDR	C2	TYR	210	CZ	4.20
BDR	C1	TYR	210	CZ	4.06
BDR	C2	TYR	210	CE2	4.64
BDR	C1	TYR	210	CE1	4.71
HYP	C8	HIS	209	CE1	3.36
HYP	C5	HIS	209	CE1	4.46
HYP	C8	HIS	209	CD2	3.54
BDR	C2	HIS	209	CD2	4.10
HYP	C8	HIS	209	CG	3.41
BDR	C2	HIS	209	CG	4.56
HYP	C8	HIS	209	CB	4.14
HYP	C5	VAL	205	CG1	4.69
HYP	C6	ASN	158	CG	3.96
HYP	C6	ASN	158	CA	4.62
HYP	C4	PHE	157	CZ	4.64
BDR	C5	PHE	157	CZ	4.47
BDR	C3	PHE	157	CZ	3.54
BDR	C2	PHE	157	CZ	4.00
BDR	C1	PHE	157	CZ	4.52
BDR	C4	PHE	157	CZ	4.39
HYP	C2	PHE	157	CE2	4.73
HYP	C4	PHE	157	CE2	4.00
BDR	C5	PHE	157	CE2	3.86
BDR	C3	PHE	157	CE2	3.68
BDR	C2	PHE	157	CE2	4.24
BDR	C1	PHE	157	CE2	4.31
BDR	C4	PHE	157	CE2	4.04
HYP	C4	PHE	157	CE1	4.66
HYP	C8	PHE	157	CE1	4.50
BDR	C3	PHE	157	CE1	4.31
BDR	C2	PHE	157	CE1	4.31
HYP	C2	PHE	157	CD2	3.71
HYP	C4	PHE	157	CD2	3.28
HYP	C8	PHE	157	CD2	4.40
HYP	C5	PHE	157	CD2	3.88
HYP	C6	PHE	157	CD2	4.39
BDR	C5	PHE	157	CD2	4.67
BDR	C3	PHE	157	CD2	4.54
BDR	C2	PHE	157	CD2	4.74
BDR	C1	PHE	157	CD2	4.44
BDR	C4	PHE	157	CD2	4.70
HYP	C4	PHE	157	CD1	4.05
HYP	C8	PHE	157	CD1	3.98
HYP	C5	PHE	157	CD1	4.08
BDR	C2	PHE	157	CD1	4.79
HYP	C2	PHE	157	CG	4.06
HYP	C4	PHE	157	CG	3.31
HYP	C8	PHE	157	CG	3.94
HYP	C5	PHE	157	CG	3.40
HYP	C6	PHE	157	CG	3.90
BDR	C1	PHE	157	CG	4.76
HYP	C2	PHE	157	CB	3.67
HYP	C4	PHE	157	CB	3.39
HYP	C8	PHE	157	CB	4.14
HYP	C5	PHE	157	CB	2.95
HYP	C6	PHE	157	CB	2.89
HYP	C5	PHE	157	C	4.49
HYP	C6	PHE	157	C	3.77
HYP	C5	PHE	157	CA	4.30
HYP	C6	PHE	157	CA	3.94
HYP	C2	THR	155	CG2	3.95
HYP	C2	THR	155	CB	4.02
BDR	C5	ASP	54	CG	4.64
BDR	C3	ASP	54	CG	4.21
PHO	C5	ASP	54	CG	4.38
BDR	C5	ASP	54	CB	4.14
BDR	C3	ASP	54	CB	4.44
PHO	C5	ASP	54	CB	4.03