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64	ALA	H	61	PRO	O	1.7
64	ALA	N	61	PRO	O	2.7
65	ALA	H	119	PHE	O	1.7
65	ALA	N	119	PHE	O	2.7
73	LEU	H	85	LEU	O	1.7
73	LEU	N	85	LEU	O	2.7
74	GLN	H	168	LYS	O	1.7
74	GLN	N	168	LYS	O	2.7
82	LEU	H	75	CYS	O	1.7
82	LEU	N	75	CYS	O	2.7
85	LEU	H	73	LEU	O	1.7
85	LEU	N	73	LEU	O	2.7
93	TYR	H	117	LEU	O	1.7
93	TYR	N	117	LEU	O	2.7
94	LEU	H	102	ASP	OD2	1.7
94	LEU	N	102	ASP	OD2	2.7
95	PHE	H	115	ALA	O	1.7
95	PHE	N	115	ALA	O	2.7
96	GLY	H	103	TYR	O	1.7
96	GLY	N	103	TYR	O	2.7
97	ARG	H	111	SER	O	1.7
97	ARG	N	111	SER	O	2.7
98	SER	H	112	SER	O	1.7
98	SER	N	112	SER	O	2.7
101	CYS	H	98	SER	O	1.7
101	CYS	N	98	SER	O	2.7
102	ASP	H	94	LEU	O	1.7
102	ASP	N	94	LEU	O	2.7
103	TYR	H	94	LEU	O	1.7
103	TYR	N	94	LEU	O	2.7
105	LEU	H	96	GLY	O	1.7
105	LEU	N	96	GLY	O	2.7
110	ILE	H	107	HIS	O	1.7
110	ILE	N	107	HIS	O	2.7
111	SER	H	114	HIS	ND1	1.7
111	SER	N	114	HIS	ND1	2.7
114	HIS	H	95	PHE	O	1.7
114	HIS	N	95	PHE	O	2.7
115	ALA	H	95	PHE	O	1.7
115	ALA	N	95	PHE	O	2.7
116	VAL	H	129	MET	O	1.7
116	VAL	N	129	MET	O	2.7
117	LEU	H	93	TYR	O	1.7
117	LEU	N	93	TYR	O	2.7
118	VAL	H	127	VAL	O	1.7
118	VAL	N	127	VAL	O	2.7
119	PHE	H	91	PRO	O	1.7
119	PHE	N	91	PRO	O	2.7
120	HIS	H	125	CYS	O	1.7
120	HIS	N	125	CYS	O	2.7
121	GLY	H	63	TRP	O	1.7
121	GLY	N	63	TRP	O	2.7
127	VAL	H	118	VAL	O	1.7
127	VAL	N	118	VAL	O	2.7
128	LEU	H	150	LEU	O	1.7
128	LEU	N	150	LEU	O	2.7
129	MET	H	116	VAL	O	1.7
129	MET	N	116	VAL	O	2.7
131	LEU	H	114	HIS	O	1.7
131	LEU	N	114	HIS	O	2.7
138	LYS	H	159	GLN	O	1.7
138	LYS	N	159	GLN	O	2.7

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64	ALA	H	61	PRO	O	2.6
64	ALA	N	61	PRO	O	3.5
65	ALA	H	119	PHE	O	2.6
65	ALA	N	119	PHE	O	3.5
73	LEU	H	85	LEU	O	2.6
73	LEU	N	85	LEU	O	3.5
74	GLN	H	168	LYS	O	2.6
74	GLN	N	168	LYS	O	3.5
82	LEU	H	75	CYS	O	2.6
82	LEU	N	75	CYS	O	3.5
85	LEU	H	73	LEU	O	2.6
85	LEU	N	73	LEU	O	3.5
93	TYR	H	117	LEU	O	2.6
93	TYR	N	117	LEU	O	3.5
94	LEU	H	102	ASP	OD2	2.6
94	LEU	N	102	ASP	OD2	3.5
95	PHE	H	115	ALA	O	2.6
95	PHE	N	115	ALA	O	3.5
96	GLY	H	103	TYR	O	2.6
96	GLY	N	103	TYR	O	3.5
97	ARG	H	111	SER	O	2.6
97	ARG	N	111	SER	O	3.5
98	SER	H	112	SER	O	2.6
98	SER	N	112	SER	O	3.5
101	CYS	H	98	SER	O	2.6
101	CYS	N	98	SER	O	3.5
102	ASP	H	94	LEU	O	2.6
102	ASP	N	94	LEU	O	3.5
103	TYR	H	94	LEU	O	2.6
103	TYR	N	94	LEU	O	3.5
105	LEU	H	96	GLY	O	2.6
105	LEU	N	96	GLY	O	3.5
110	ILE	H	107	HIS	O	2.6
110	ILE	N	107	HIS	O	3.5
111	SER	H	114	HIS	ND1	2.6
111	SER	N	114	HIS	ND1	3.5
114	HIS	H	95	PHE	O	2.6
114	HIS	N	95	PHE	O	3.5
115	ALA	H	95	PHE	O	2.6
115	ALA	N	95	PHE	O	3.5
116	VAL	H	129	MET	O	2.6
116	VAL	N	129	MET	O	3.5
117	LEU	H	93	TYR	O	2.6
117	LEU	N	93	TYR	O	3.5
118	VAL	H	127	VAL	O	2.6
118	VAL	N	127	VAL	O	3.5
119	PHE	H	91	PRO	O	2.6
119	PHE	N	91	PRO	O	3.5
120	HIS	H	125	CYS	O	2.6
120	HIS	N	125	CYS	O	3.5
121	GLY	H	63	TRP	O	2.6
121	GLY	N	63	TRP	O	3.5
127	VAL	H	118	VAL	O	2.6
127	VAL	N	118	VAL	O	3.5
128	LEU	H	150	LEU	O	2.6
128	LEU	N	150	LEU	O	3.5
129	MET	H	116	VAL	O	2.6
129	MET	N	116	VAL	O	3.5
131	LEU	H	114	HIS	O	2.6
131	LEU	N	114	HIS	O	3.5
138	LYS	H	159	GLN	O	2.6
138	LYS	N	159	GLN	O	3.5

139	LEU	H	142	ASN	O	1.7
139	LEU	N	142	ASN	O	2.7
142	ASN	H	139	LEU	O	1.7
142	ASN	N	139	LEU	O	2.7
152	ALA	H	126	PHE	O	1.7
152	ALA	N	126	PHE	O	2.7
156	SER	H	153	PRO	O	1.7
156	SER	N	153	PRO	O	2.7
158	ILE	H	167	TYR	O	1.7
158	ILE	N	167	TYR	O	2.7
159	GLN	H	138	LYS	O	1.7
159	GLN	N	138	LYS	O	2.7
167	TYR	H	158	ILE	O	1.7
167	TYR	N	158	ILE	O	2.7
168	LYS	H	74	GLN	O	1.7
168	LYS	N	74	GLN	O	2.7
169	VAL	H	156	SER	O	1.7
169	VAL	N	156	SER	O	2.7
170	GLN	H	72	HIS	O	1.7
170	GLN	N	72	HIS	O	2.7
107	HIS	ND1	109	SER	OG	2.7
109	SER	H	107	HIS	ND1	2.7

139	LEU	H	142	ASN	O	2.6
139	LEU	N	142	ASN	O	3.5
142	ASN	H	139	LEU	O	2.6
142	ASN	N	139	LEU	O	3.5
152	ALA	H	126	PHE	O	2.6
152	ALA	N	126	PHE	O	3.5
156	SER	H	153	PRO	O	2.6
156	SER	N	153	PRO	O	3.5
158	ILE	H	167	TYR	O	2.6
158	ILE	N	167	TYR	O	3.5
159	GLN	H	138	LYS	O	2.6
159	GLN	N	138	LYS	O	3.5
167	TYR	H	158	ILE	O	2.6
167	TYR	N	158	ILE	O	3.5
168	LYS	H	74	GLN	O	2.6
168	LYS	N	74	GLN	O	3.5
169	VAL	H	156	SER	O	2.6
169	VAL	N	156	SER	O	3.5
170	GLN	H	72	HIS	O	2.6
170	GLN	N	72	HIS	O	3.5
107	HIS	ND1	109	SER	OG	3.5
109	SER	H	107	HIS	ND1	3.5