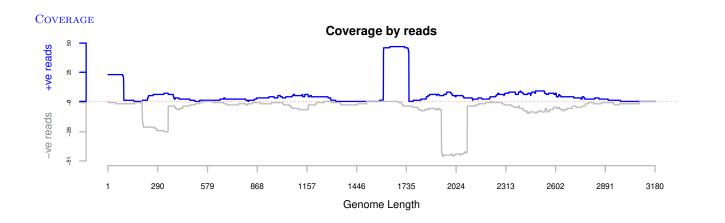
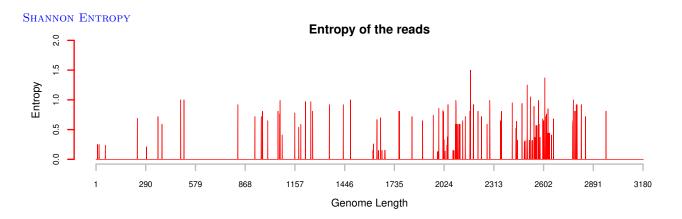
HBV-RYD-14

File name Ref name Ref len Program used	HBV-RYD-14.sam KX357637.1 Hepatitis B virus isolate MK20ETH, complete genome 3182 Tanoti Assembler 1.0
Total reads Mapped reads Unmapped reads Mapped loan pairs Average read length	514912 260 (0.05%) 514652 1 146nt
Coverage Average depth Average insert length	3013nt (94.69%) 11 reads/site 0nt

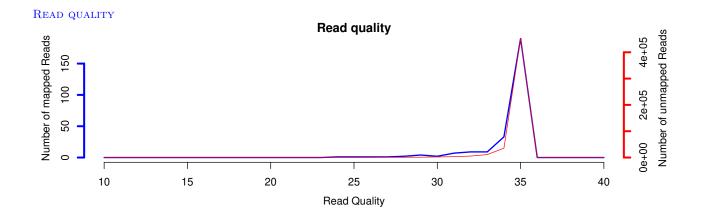




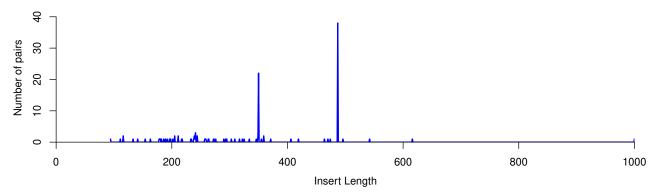
Consensus sequence

```
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  1
 70
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            ACCCTGCGCT GAACATGGAG AACATCACAT CAGGATTCCT AGGACCCCTG CTCGTGNNNC AGGCGGGGTT
140
            TTTCTTGTTG ACAAGAATCC TCACAATACC ACAGAGTCTA GACTCGTGGT GGACTTCTCT CAATTTTCTA
210
280
            GGGGGAACTA CCGTGTGTCT TGGCCAAAAT TCGCAGTCCC CAACCTCCAA TCACTCACCA ACCTCCTGTC
350
            CTCCAACTTG TCCTGGTTAT CGCTGGATGT GTCTGCGGCG TTTTATCATC TTCCTCTTCA TCCTGCTGCT
420
            ATGCCTCATC TTCTTGTTGG TTCTTCTGGA CTATCAAGGT ATGTTGCCCG TTTGTCCTCT AATTCCAGGA
490
            TCGTCAACCA CCAGCACGGG ACCATGCAGA ACCTGCACGA CTCCTGCTCA AGGAACCTCT ATGTATCCCT
            CCTGCTGCTG TACCAAACCT TCGGACGGAA ATTGCACCTG TATTCCCATC CCATCATCCT GGGCTTTCGG
560
            AAAATTCCTA TGGGAGTGGG CCTCAGCCCG TTTCTCCTGG CTCAGTTTAC TAGTGCCATT TGTTCAGTGG
630
            TTCGTAGGGC TTTCCCCCAC TGTTTGGCTT TCAGTTATAT GGATGATGTG GTATTGGGGG CCAAGTCTGT
700
770
            ACAGCATCTT GAGTCCCTTT TTACCGCTGT TACCAATTTT CTTTTGTCTT TGGGTATACA TTTAAACCCT
            AACAAAACAA AAAGATGGGG TTACTCTTTA CATTTCATGG GCTATGTCAT TGGATGTTAT GGGTCATTGC
840
910
            CACAAGATCA CATCATACAG AAAATCAAAG AATGTTTTAG AAAACTTCCT GTTAACAGAC CTATTGATTG
980
            GAAAGTCTGT CAACGTATTG TGGGTCTTTT GGGTTTTGCT GCCCCTTTTA CACAATGTGG TTATCCTGCT
1050
            TTAATGCCCT TGTATGCATG CATTCAATCT AAGCAGGCTT TCACTTTCTC GCCAACTTAC AAGGCCTTTC
1120
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1190
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1260
            CCGATCCATA CTGCGGAACT CCTAGCCGCT TGTTTTGCTC GCAGCAGGTC TGGAGCAAAC ATTATCGGGA
            CGGATAACTC TGTTGTTCTC TCCCGCAAAT ATACATCGTT TCCATGGCTG CTAGGCTGTG CTGCCAACTG
1330
1400
            GATCCTGCGC GGGACGTCCT TTGTTTACGT CCCGTCGGCG CTGAATCCCG CGGACGACCC TTCTCGGGGC
1470
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1540
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1610
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1680
1750
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1820
1890
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1960
            ACTGACTTCT TTCCTTCAGT ACGAGATCTT CTTGATACCG CCTCAGCTCT ATATCGAGAT GCCTTAGAGT
2030
            CTCCTGAGCA TTGTTCTCCT CACCATACTG CACTCAGGCA AGCAATTCTT TGCTGGGGGG ACCTAATGAC
2100
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2170
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            CGGTCATAGA GTATTTGGTG TCTTTCGGAG TGTGGATTCG CACTCCTCCA GCTTATAGAC CACCAAATGC
2240
2310
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2380
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            AGTATTCCTT GGACTCATAA GGTGGGCAAC TTTACGGGGC TTTATTCTTC TACTGTTCCT GTCTTTAACC
2450
2520
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            TGTAGGCCCA CTCACAGTCA ATGAGAAAAG AAGACTGCAA TTGATTATGC CTGCTAGGTT TTATCCAAAT
2590
2660
            GTTACCAAAT ATTTGCCATT GGATAAGGGT ATTAAACCTT ATTATCCAGA ACATCTAGTT AATCATTACT
2730
            TCCAAACCAG ACATTATTTA CACACTCTAT GGAAGGCGGG TATACTATAT AAGAGAGAAA CAACACGTAG
2800
            CGCCTCATTT TGTGGGTCAC CATATTCTTG GGAACAAGAG CTACAGCATG GGGCAGAATC TTTCCACCAG
2870
            CAATCCTCTG GGATTCTTTC CCGACCACCA GTTGGATCCA GCCTTCAGAG CAAACACCGC AAATCCAGAT
2940
            TGGGACTTCA ATCCCAACAA GGACACCTGG CCGGACGCCA ACAAGGTAGG AGCTGGAGCA TTCGGGCCGG
3010
            GATTCACCCC ACCGCACGGA GGCCTTTTGG GGTGGAGCCC TCAGGCTCAG GGCATACTAC ACACCGTGCC
3080
            3150
            NNNNNNNN NNNNNNNNN NNNNNNNNN NN
```

Genome Comp	osition
A	692 (21.75%)
T	866 (27.22%)
G	658 (20.68%)
\mathbf{C}	797 (25.05%)
N	169 (5.31%)
Total Nucleotides	3182
GC%	48.29



INSERT LENGTH DISTRIBUTION



Protein	Position	Ref AA	Consensus AA	All AAs
P2	1	F	H	H::100.00(24)
P2	2	F	N	N::100.00(24)
P2	4	F	P	P::100.00(24)
P2	5	F	P	P::100.00(24)
P2	6	F	N	N::95.83(23)
P2	7	\mathbf{F}	S	S::100.00(24)
P2	8	\mathbf{F}	A	A::100.00(24)
P2	9	\mathbf{F}	R	R::100.00(24)
P2	10	\mathbf{F}	S	S::100.00(24)
P2	11	\mathbf{F}	Q	Q::100.00(24)
P2	12	\mathbf{F}	S	S::100.00(24)
P2	13	\mathbf{F}	E	E::100.00(24)
P2	14	\mathbf{F}	R	R::100.00(24)
P2	15	\mathbf{F}	P	P::100.00(25)
P2	16	\mathbf{F}	V	V::100.00(25)
P2	18	F	P	P::96.00(24)
P2	19	F	\mathbf{C}	C::100.00(25)
P2	20	F	W	W::100.00(25)
P2	21	F	W	W::100.00(25)
P2	22	\mathbf{F}	L	L::100.00(25)
P2	23	F	Q	Q::100.00(25)
P2	25	\mathbf{F}	R	R::100.00(25)
P2	26	\mathbf{F}	N	N::100.00(25)
P2	27	\mathbf{F}	S	S::100.00(25)
P2	28	\mathbf{F}	K	K::100.00(24)
P2	29	\mathbf{F}	P	P::100.00(23)
P2	30	F	\mathbf{C}	C::100.00(3)
P2	31	F	S	S::100.00(3)
P2	32	F	D	D::100.00(3)
P2	33	F	Y	Y::100.00(3)
P2	34	\mathbf{F}	C	C::100.00(3)
P2	35	F	L	L::100.00(3)
P2	36	F	S	S::100.00(3)
P2	37	F	H	H::100.00(3)
P2	38	F	I	I::100.00(3)
P2	39	F	V	V::100.00(3)
P2	40	F	N	N::100.00(3)
P2	41	F	L	L::100.00(3)
P2	42	F	${ m L}$	L::100.00(3)
P2	43	\mathbf{F}	E	E::100.00(3)
P2	44	\mathbf{F}	D	D::100.00(3)
P2	45	F	W	W::100.00(3)
P2	46	F	G	G::100.00(3)
P2	47	F	P	P::100.00(3)
P2	48	F	С	C::100.00(3)
P2	49	F	A	A::100.00(3)

]	P2	50	F		Ε	E::100.00(2)
	P2	51	F		Н	H::100.00(1)
	P2	52	F		G	G::100.00(1)
]	P2	53	\mathbf{F}		E	E::100.00(1)
]	P2	54	\mathbf{F}		Η	H::100.00(1)
]	P2	55	\mathbf{F}		Η	H::100.00(1)
	P2	56	\mathbf{F}		I	I::100.00(1)
	P2	57	\mathbf{F}		\mathbf{R}	R::100.00(1)
	P2	58	\mathbf{F}		I	I::100.00(1)
	P2	59	\mathbf{F}		Р	P::100.00(1)
	P2	60	\mathbf{F}		\mathbf{R}	R::100.00(1)
	P2	61	\mathbf{F}		${ m T}$	T::100.00(1)
]	P2	62	\mathbf{F}		P	P::100.00(1)
P2		63	F	A		A::100.00(1)
P2		64	F	\mathbf{R}		R::100.00(1)
P2		67	F	G		G::100.00(19)
P2		68	F	G		G::100.00(21)
P2		69	F	V		V::100.00(23)
P2		71	F	L		L::100.00(23)
P2		72	\mathbf{F}	V		V::100.00(23)
P2		73	F	D		D::100.00(23)
P2		74	F	K		K::100.00(23)
P2		75	\mathbf{F}	N		N::100.00(23)
P2		76	\mathbf{F}	Ρ		P::100.00(23)
P2		77	F	Η		H::100.00(25)
P2		78	F	N		N::100.00(26)
P2		79	F	Τ		T::100.00(27)
P2		80	\mathbf{F}	Τ		T::81.48(22) A::18.52(5)
P2		81	F	\mathbf{E}		E::100.00(27)
P2		82	\mathbf{F}	\mathbf{S}		S::100.00(27)
P2		83	\mathbf{F}	\mathbf{R}		R::100.00(27)
P2		84	F	L		L::100.00(27)
P2		85	F	V		V::100.00(27)
P2		86	F	V		V::100.00(27)
P2		87	F	D		D::100.00(27)
P2		89	F	\mathbf{S}		S::100.00(28)
P2		90	F	$_{ ilde{Q}}$		Q::100.00(29)
P2		92	F	S		S::100.00(29)
P2		93	F	R		R::100.00(29)
P2		94	F	G		G::100.00(29)
P2		95	F	N		N::100.00(31)
P2		96	F	Y		Y::100.00(31)
P2		97	F	R		R::100.00(31)
P2		98	F	V		V::100.00(31)
P2		99	F	S		S::100.00(31)
P2		100	F	W		W::100.00(31)
P2		101	F	Р		P::100.00(31)
P2		102	F	K		K::100.00(31)
P2		104	F	A		A::100.00(31)
P2		105	F	V		V::100.00(31)
P2		106	F	Р		P::100.00(31)

P2	107	\mathbf{F}	N	N::100.00(31)
P2	108	F	${ m L}$	L::100.00(31)
P2	109	F	Q	Q::100.00(33)
P2		F	S	-
	110			S::100.00(33)
P2	111	F	${ m L}$	L::100.00(33)
P2	112	F	${ m T}$	T::100.00(33)
P2	113	\mathbf{F}	N	N::100.00(33)
P2	114	\mathbf{F}	${ m L}$	L::100.00(33)
P2	115	F	${ m L}$	L::100.00(33)
P2	116	$^{-}$	$\overline{\mathrm{S}}$	S::100.00(10)
P2	117	F	S	S::100.00(10)
P2	118	F	N	` /
				N::100.00(10)
P2	119	F	L	L::100.00(10)
P2	120	F	\mathbf{S}	S::80.00(8) T::20.00(2)
P2	121	\mathbf{F}	W	W::100.00(10)
P2	122	\mathbf{F}	${ m L}$	L::100.00(10)
P2	123	\mathbf{F}	${f S}$	S::100.00(10)
P2	124	F	${f L}$	L::100.00(10)
P2	125	$^{-}$	D	D::100.00(10)
P2	126	F	V	V::100.00(8)
				, ,
P2	127	F	S	S::100.00(7)
P2	128	F	A	A::100.00(6)
P2	129	F	A	A::100.00(7)
P2	131	\mathbf{F}	Y	Y::100.00(9)
P2	132	\mathbf{F}	H	H::100.00(9)
P2	133	\mathbf{F}	${ m L}$	L::100.00(9)
P2	134	F	Р	P::100.00(10)
P2	135	$^{-}$	$\stackrel{-}{ m L}$	L::100.00(10)
P2	136	F	H	H::100.00(10)
P2	137	F	P	, ,
				P::100.00(9)
P2	138	F	A	A::100.00(9)
P2	139	F	A	A::100.00(8)
P2	140	F	${ m M}$	M::100.00(8)
P2	141	\mathbf{F}	P	P::100.00(8)
P2	142	\mathbf{F}	H	H::100.00(8)
P2	143	\mathbf{F}	${ m L}$	L::100.00(8)
P2	144	F	${ m L}$	L::100.00(8)
P2	145	F	V	V::100.00(6)
P2	146	F	Ġ	G::100.00(6)
			S	S::100.00(6)
P2	147	F		()
P2	148	F	S	S::100.00(6)
P2	149	F	G	G::100.00(6)
P2	150	\mathbf{F}	${ m L}$	L::100.00(6)
P2	151	\mathbf{F}	\mathbf{S}	S::100.00(6)
P2	152	F	\mathbf{R}	R::100.00(6)
P2	153	F	Y	Y::100.00(6)
P2	154	F	V	V::100.00(6)
P2	155	F	Å	A::100.00(6)
P2	156	F	R	R::100.00(6)
P2	157	F	L	L::100.00(6)
P2	158	\mathbf{F}	\mathbf{S}	S::100.00(4)

P2	159	F	\mathbf{S}	S::100.00(4)
P2	160	\mathbf{F}	N	N::100.00(4)
P2	161	F	\mathbf{S}	S::100.00(4)
P2	162	${ m F}$	$\tilde{\mathrm{R}}$	R::100.00(4)
P2	163	F	I	I::100.00(4)
P2	164	F	V	V::50.00(2) F::50.00(2)
P2	165	F	N N	N::100.00(2) 150.00(2)
P2	166	F	Н	H::100.00(4)
				` /
P2	167	F	Q	Q::100.00(4)
P2	168	F	Н	H::100.00(2)
P2	169	F	G	G::100.00(2)
P2	170	F	Т	T::50.00(1) I::50.00(1)
P2	171	F	M	M::100.00(2)
P2	172	F	Q	Q::100.00(2)
P2	173	F	N	N::100.00(2)
P2	174	F	${ m L}$	L::100.00(2)
P2	175	F	H	H::100.00(2)
P2	176	\mathbf{F}	D	D::100.00(2)
P2	177	F	\mathbf{S}	S::100.00(1)
P2	178	F	\mathbf{C}	C::100.00(2)
P2	179	\mathbf{F}	\mathbf{S}	S::100.00(2)
P2	180	\mathbf{F}	${ m R}$	R::100.00(2)
P2	181	F	N	N::100.00(2)
P2	182	F	${ m L}$	L::100.00(2)
P2	183	\mathbf{F}	Y	Y::100.00(1)
P2	184	\mathbf{F}	V	V::100.00(1)
P2	185	F	Š	S::100.00(1)
P2	186	F	L	L::100.00(1)
P2	187	F	L	L::100.00(1)
P2	188	F	L	L::100.00(1)
P2		F	L	L::100.00(1) L::100.00(1)
	189	F		
P2	190		Y	Y::100.00(1)
P2	191	F	Q	Q::100.00(1)
P2	192	F	T	T::100.00(1)
P2	194	F	G	G::100.00(1)
P2	195	F	\mathbf{R}	R::100.00(1)
P2	196	F	K	K::100.00(1)
P2	197	F	L	L::100.00(1)
P2	198	F	Η	H::100.00(1)
P2	199	F	${ m L}$	L::100.00(1)
P2	200	F	Y	Y::100.00(1)
P2	201	\mathbf{F}	\mathbf{S}	S::100.00(1)
P2	202	\mathbf{F}	Η	H::100.00(1)
P2	203	F	P	P::100.00(2)
P2	204	F	I	1::100.00(2)
P2	205	\mathbf{F}	I	I::100.00(2)
P2	206	\mathbf{F}	${ m L}$	L::100.00(2)
P2	207	F	G	G::100.00(2)
P2	209	F	${ m R}$	R::100.00(2)
P2	210	${ m F}$	K	K::100.00(2)
P2	211	${ m F}$	I	I::100.00(2)
		_	=	(-)

P2	212	\mathbf{F}	Р	P::100.00(2)
P2	213	\mathbf{F}	${f M}$	M::100.00(2)
P2	214	\mathbf{F}	G	G::100.00(2)
P2	215	\mathbf{F}	V	V::100.00(2)
P2	216	$^-\mathrm{F}$	Ġ	G::100.00(2)
P2	217	F	L	L::100.00(3)
P2	218	F	S	S::100.00(3)
P2	219	F	P	P::100.00(3)
P2	$\frac{219}{221}$	F	L	L::100.00(3)
P2	$\frac{221}{222}$	F	L	
P2	$\frac{222}{223}$	F	A	L::100.00(3) A::100.00(3)
P2 P2		F		· /
	224		Q	Q::100.00(3)
P2	226	F	T	T::100.00(4)
P2	227	F	S	S::100.00(4)
P2	228	F	A	A::100.00(4)
P2	229	F	I	I::100.00(4)
P2	230	F	\mathbf{C}	C::100.00(4)
P2	231	F	\mathbf{S}	S::100.00(5)
P2	232	\mathbf{F}	V	V::100.00(5)
P2	233	\mathbf{F}	V	V::100.00(5)
P2	234	\mathbf{F}	R	R::100.00(5)
P2	235	\mathbf{F}	R	R::100.00(5)
P2	236	\mathbf{F}	A	A::100.00(5)
P2	238	\mathbf{F}	P	P::100.00(5)
P2	239	\mathbf{F}	${ m H}$	H::100.00(5)
P2	240	\mathbf{F}	\mathbf{C}	C::100.00(5)
P2	241	\mathbf{F}	${ m L}$	L::100.00(5)
P2	242	\mathbf{F}	A	A::100.00(5)
P2	244	\mathbf{F}	\mathbf{S}	S::100.00(5)
P2	245	\mathbf{F}	Y	Y::100.00(5)
P2	246	\mathbf{F}	${ m M}$	M::100.00(5)
P2	247	\mathbf{F}	D	D::100.00(5)
P2	248	\mathbf{F}	D	D::100.00(5)
P2	249	\mathbf{F}	V	V::100.00(5)
P2	250	\mathbf{F}	V	V::100.00(5)
P2	251	F	L	L::100.00(5)
P2	252	$^{-}\mathrm{F}$	$\overline{\mathrm{G}}$	G::100.00(5)
P2	253	F	Ä	A::100.00(4)
P2	254	F	K	K::100.00(4)
P2	255	F	S	S::100.00(4)
P2	256	F	V	V::100.00(4)
P2	257	F	Q Q	Q::100.00(4)
P2	$\frac{257}{258}$	F	H	H::100.00(4)
P2	$\frac{250}{259}$	F	L	L::100.00(4)
P2		F	E	
	260			E::100.00(4)
P2	261	F	S	S::100.00(4)
P2	262	F	L	L::100.00(4)
P2	264	F	T	T::100.00(4)
P2	265	F	A	A::100.00(4)
P2	266	F	V	V::100.00(4)
P2	267	F	Τ	T::100.00(4)

P2	268	\mathbf{F}	N	N::100.00(4)
P2	270	\mathbf{F}	${ m L}$	L::100.00(4)
P2	271	\mathbf{F}	${ m L}$	L::100.00(2)
P2	272	\mathbf{F}	\mathbf{S}	S::100.00(2)
P2	273	\mathbf{F}	${ m L}$	L::100.00(3)
P2	274	\mathbf{F}	G	G::100.00(3)
P2	275	\mathbf{F}	I	I::100.00(3)
P2	276	\mathbf{F}	${ m H}$	H::100.00(3)
P2	277	\mathbf{F}	${f L}$	L::100.00(3)
P2	278	F	N	N::100.00(3)
P2	279	$ m_F$	P	P::100.00(3)
P2	280	$^{-}$	N	N::100.00(2)
P2	281	$^{-}$	K	K::100.00(2)
P2	282	F	$^{\mathrm{T}}$	T::100.00(2)
P2	283	F	K	K::100.00(2)
P2	284	F	R	R::100.00(2)
P2	285	F	W	W::100.00(3)
P2	$\frac{286}{286}$	F	G	G::100.00(3)
P2	$\frac{280}{287}$	F	Y	Y::100.00(3)
P2	288	F	S	S::100.00(3)
P2	289	F	L	L::100.00(4)
P2	290	F	H	H::100.00(4)
P2	290	F	M	M::100.00(4)
P2		F	G	G::100.00(4)
P2	293	F	Y	. ,
	294			Y::100.00(4)
P2	295	F	V	V::100.00(4)
P2	296	F	I	I::100.00(5)
P2	297	F	G	G::100.00(5)
P2	298	F	С	C::100.00(5)
P2	299	F	Y	Y::100.00(5)
P2	300	F	G	G::100.00(5)
P2	301	F	S	S::100.00(5)
P2	302	F	L	L::100.00(5)
P2	303	F	P	P::100.00(5)
P2	304	F	\mathbf{Q}	Q::100.00(5)
P2	305	F	D	D::100.00(5)
P2	306	\mathbf{F}	Η	H::100.00(5)
P2	307	F	I	I::100.00(5)
P2	308	F	I	I::100.00(5)
P2	309	\mathbf{F}	Q	Q::100.00(5)
P2	310	\mathbf{F}	K	K::100.00(5)
P2	311	\mathbf{F}	I	I::100.00(5)
P2	312	\mathbf{F}	K	K::100.00(6)
P2	313	\mathbf{F}	${ m E}$	E::100.00(6)
P2	314	\mathbf{F}	\mathbf{C}	C::100.00(6)
P2	316	\mathbf{F}	R	R::100.00(5)
P2	317	\mathbf{F}	K	K::100.00(5)
P2	318	F	${ m L}$	L::100.00(5)
P2	319	F	Р	P::100.00(5)
P2	320	F	V	V::80.00(4) C::20.00(1)
P2	321	F	N	N::100.00(5)

P2	322	F	R	R::100.00(4)
P2	323	F	P	P::100.00(4)
			I	
P2 P2	324	F		I::100.00(4)
	325	F	D	D::100.00(4)
P2	326	F	W	W::100.00(4)
P2	327	F	K	K::100.00(4)
P2	328	F	V	V::100.00(4)
P2	329	F	С	C::100.00(6)
P2	330	F	Q	Q::100.00(6)
P2	331	F	R	R::100.00(6)
P2	332	\mathbf{F}	I	I::100.00(6)
P2	333	F	V	V::100.00(6)
P2	334	\mathbf{F}	G	G::100.00(5)
P2	335	F	L	L::100.00(5)
P2	336	\mathbf{F}	L	L::100.00(5)
P2	337	F	G	G::100.00(5)
P2	339	F	A	A::100.00(5)
P2	340	F	A	A::100.00(6)
P2	341	F	P	P::100.00(6)
P2	343	F	T	T::100.00(6)
P2	344	F	Q	Q::100.00(6)
P2	345	F	C	C::100.00(7)
P2	346	F	G	G::100.00(7)
P2	347	F	Y	` ′
P2		F	P	Y::100.00(7)
P2	348	F		P::100.00(7)
P2	349		A L	A::100.00(7)
P2 P2	350	F		L::100.00(7)
P2 P2	351	F	M P	M::100.00(7)
	352	F		P::100.00(7)
P2	353	F	L	L::100.00(8)
P2	354	F	Y	Y::100.00(9)
P2	355	F	A	A::100.00(9)
P2	356	F	С	C::77.78(7) S::22.22(2)
P2	357	F	I	I::100.00(11)
P2	358	F	$\overset{\circ}{Q}$	Q::100.00(11)
P2	359	F	S	S::100.00(12)
P2	360	F	K	K::100.00(12)
P2	361	F	Q	Q::100.00(11)
P2	362	\mathbf{F}	A	A::100.00(11)
P2	364	F	T	T::100.00(11)
P2	366	F	S	S::100.00(11)
P2	367	F	P	P::100.00(11)
P2	368	F	${ m T}$	T::100.00(11)
P2	369	F	Y	Y::100.00(11)
P2	370	\mathbf{F}	K	K::100.00(12)
P2	371	F	A	A::100.00(12)
P2	373	\mathbf{F}	L	L::100.00(12)
P2	374	F	C	C::100.00(12)
P2	375	F	K	K::100.00(12)
P2	376	F	Q	Q::100.00(13)
P2	377	F	Ý	Y::100.00(11)
				` /

P2	378	\mathbf{F}	${ m L}$	L::100.00(11)
P2	379	F	N	N::100.00(11)
P2	380	F	${ m L}$	L::100.00(11)
P2	381	\mathbf{F}	Y	Y::100.00(11)
P2	382	\mathbf{F}	P	P::100.00(13)
P2	383	\mathbf{F}	V	V::100.00(13)
P2	384	F	Å	A::100.00(13)
				` ,
P2	385	\mathbf{F}	\mathbf{R}	R::76.92(10) G::23.08(3)
P2	386	\mathbf{F}	Q	Q::100.00(13)
P2	387	\mathbf{F}	${ m R}$	R::100.00(13)
P2	388	${ m F}$	P	P::100.00(7)
P2	389	\mathbf{F}	\mathbf{G}	G::100.00(7)
P2	390	$\overline{\mathrm{F}}$	Ĺ	L::100.00(7)
P2	391	F	C	C::100.00(7)
P2	392	\mathbf{F}	Q	Q::87.50(7) H::12.50(1)
P2	393	\mathbf{F}	V	V::100.00(8)
P2	395	\mathbf{F}	A	A::100.00(7)
P2	396	\mathbf{F}	D	D::100.00(7)
P2	397	$\overline{\mathrm{F}}$	A	A::100.00(7)
P2		F	$\overset{n}{ ext{T}}$	` /
	398			T::100.00(7)
P2	399	\mathbf{F}	P	P::100.00(7)
P2	400	\mathbf{F}	${ m T}$	T::100.00(7)
P2	401	\mathbf{F}	G	G::100.00(7)
P2	402	${ m F}$	W	W::100.00(6)
P2	403	\mathbf{F}	\mathbf{G}	G::100.00(5)
P2	404	$\dot{\mathrm{F}}$	Ĺ	L::100.00(5)
P2	405	F	V	V::100.00(5)
P2	406	F	M	M::100.00(5)
P2	407	\mathbf{F}	G	G::100.00(5)
P2	408	\mathbf{F}	Η	H::100.00(5)
P2	409	\mathbf{F}	Q	Q::100.00(5)
P2	410	${ m F}$	\mathbf{R}	R::100.00(5)
P2	411	\mathbf{F}	\mathbf{M}	M::100.00(5)
P2	412	$^{\mathrm{r}}$	R	R::100.00(5)
P2			G	
	413	F		G::100.00(5)
P2	414	F	$_{-}^{\mathrm{T}}$	T::100.00(5)
P2	416	\mathbf{F}	L	L::100.00(5)
P2	417	\mathbf{F}	A	A::100.00(5)
P2	418	\mathbf{F}	P	P::100.00(5)
P2	419	F	${ m L}$	L::100.00(4)
P2	420	\mathbf{F}	P	P::100.00(4)
P2	421	F	Ī	I::100.00(1)
P2	422	F	Н	H::100.00(4)
P2	423	\mathbf{F}	${ m T}$	T::100.00(4)
P2	424	\mathbf{F}	A	A::100.00(4)
P2	425	\mathbf{F}	${ m E}$	E::100.00(4)
P2	426	\mathbf{F}	${ m L}$	L::100.00(3)
P2	427	\mathbf{F}	${ m L}$	L::100.00(3)
P2	428	F	A	A::100.00(3)
P2	429	F	A	A::100.00(3)
P2	430	\mathbf{F}	С	C::100.00(3)

P2	432	\mathbf{F}	A	A::100.00(1)
P2	433	\mathbf{F}	R	R::100.00(2)
P2	434	\mathbf{F}	\mathbf{S}	S::100.00(2)
P2	435	\mathbf{F}	R	R::100.00(2)
P2	436	\mathbf{F}	\mathbf{S}	S::100.00(2)
P2	437	\mathbf{F}	G	G::100.00(2)
P2	438	\mathbf{F}	A	A::100.00(2)
P2	439	\mathbf{F}	N	N::100.00(2)
P2	440	\mathbf{F}	I	I::100.00(2)
P2	441	\mathbf{F}	I	I::100.00(1)
P2	442	\mathbf{F}	G	G::100.00(1)
P2	443	\mathbf{F}	${ m T}$	T::100.00(1)
P2	444	\mathbf{F}	D	D::100.00(1)
P2	445	\mathbf{F}	N	N::100.00(1)
P2	446	\mathbf{F}	\mathbf{S}	S::100.00(1)
P2	447	\mathbf{F}	V	V::100.00(1)
P2	448	$ m_F$	V	V::100.00(1)
P2	449	F	Ĺ	L::100.00(1)
P2	450	F	S	S::100.00(1)
P2	451	F	R	R::100.00(1)
P2	452	F	K	K::66.67(2) E::33.33(1)
P2	453	F	Y	Y::100.00(3)
P2	454	F	$\stackrel{1}{\mathrm{T}}$	T::100.00(3)
P2	454 455	F	S	` /
P2	$455 \\ 457$		o P	S::100.00(3)
		F		P::100.00(3)
P2	458	F	W	W::100.00(3)
P2	459	F	L	L::100.00(3)
P2	460	F	L	L::100.00(3)
P2	461	F	G	G::100.00(3)
P2	462	F	\mathbf{C}	C::100.00(3)
P2	463	F	A	A::100.00(3)
P2	464	F	A	A::100.00(3)
P2	465	F	N	N::100.00(3)
P2	466	F	W	W::100.00(3)
P2	467	\mathbf{F}	I	I::100.00(3)
P2	468	\mathbf{F}	$_{ m L}$	L::100.00(3)
P2	469	\mathbf{F}	\mathbf{R}	R::100.00(3)
P2	470	\mathbf{F}	G	G::100.00(3)
P2	471	\mathbf{F}	${ m T}$	T::100.00(3)
P2	472	\mathbf{F}	\mathbf{S}	S::100.00(3)
P2	474	\mathbf{F}	V	V::100.00(3)
P2	475	\mathbf{F}	Y	Y::100.00(3)
P2	476	\mathbf{F}	V	V::100.00(3)
P2	477	\mathbf{F}	P	P::100.00(3)
P2	478	\mathbf{F}	\mathbf{S}	S::100.00(3)
P2	479	\mathbf{F}	A	A::66.67(2) T::33.33(1)
P2	480	\mathbf{F}	${ m L}$	L::100.00(3)
P2	481	\mathbf{F}	N	N::100.00(3)
P2	482	\mathbf{F}	Р	P::100.00(3)
P2	483	\mathbf{F}	A	A::100.00(2)
P2	484	\mathbf{F}	D	D::100.00(2)
				()

P2	485	\mathbf{F}	D	D::100.00(2)
P2	486	\mathbf{F}	Р	P::100.00(2)
		F	S	S::100.00(2)
P2	487			· /
P2	488	F	R	R::100.00(2)
P2	489	F	G	G::100.00(2)
P2	490	\mathbf{F}	\mathbf{R}	R::100.00(2)
P2	491	\mathbf{F}	${ m L}$	L::100.00(2)
P2	492	\mathbf{F}	G	G::100.00(2)
P2	493	F	L	V::50.00(1) L::50.00(1)
				* * * * * * * * * * * * * * * * * * * *
P2	494	F	S	S::100.00(2)
P2	495	\mathbf{F}	R	R::100.00(2)
P2	496	\mathbf{F}	P	P::100.00(2)
P2	497	\mathbf{F}	${ m L}$	L::100.00(2)
P2	498	\mathbf{F}	${ m L}$	L::100.00(2)
P2	499	\mathbf{F}	${ m R}$	R::100.00(2)
P2	500	$\overline{\mathrm{F}}$	L	L::100.00(2)
P2	526	F	V	V::100.00(1)
P2	527	F	H	H::100.00(1)
P2	529	F	A	A::100.00(1)
P2	530	\mathbf{F}	\mathbf{S}	S::100.00(1)
P2	531	\mathbf{F}	P	P::100.00(1)
P2	532	\mathbf{F}	${ m L}$	L::100.00(1)
P2	533	\mathbf{F}	H	H::100.00(2)
P2	534	\mathbf{F}	V	V::100.00(46)
P2	535	F	Å	A::100.00(46)
P2	536	F	W	
				W::97.83(45)
P2	537	F	R	R::95.65(44)
P2	538	Γ,	D	
1 4	538	\mathbf{F}	Р	P::100.00(46)
-				· /
S2	1	F	S	S::100.00(23)
S2 S2	1 2	F F	S T	S::100.00(23) T::100.00(24)
S2 S2 S2	1 2 3	F F F	S T T	S::100.00(23) T::100.00(24) T::100.00(24)
S2 S2 S2 S2 S2	1 2 3 5	F F F	S T T H	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24)
S2 S2 S2 S2 S2 S2	1 2 3 5 6	F F F F	S T T H Q	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2	1 2 3 5 6 7	F F F F	S T T H Q T	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24)
S2 S2 S2 S2 S2 S2	1 2 3 5 6	F F F F	S T T H Q	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2	1 2 3 5 6 7	F F F F	S T T H Q T L	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2	1 2 3 5 6 7 8 9	F F F F F	S T T H Q T	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) C::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2	1 2 3 5 6 7 8 9 10	F F F F F F	S T T H Q T L Q D	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) Q::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2	1 2 3 5 6 7 8 9 10	F F F F F F F F	S T T H Q T L Q D	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) C::100.00(24) D::100.00(24) P::100.00(24) P::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2	1 2 3 5 6 7 8 9 10 11 12	F F F F F F F F F	S T T H Q T L Q D P R	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) C::100.00(24) L::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) Q::100.00(24) V::100.00(24) P::100.00(24) V::100.00(24) V::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) Q::100.00(24) V::100.00(24) P::100.00(24) R::100.00(24) R::100.00(24) R::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) V::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) R::100.00(24) G::100.00(24) R::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G L	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) L::100.00(24) Q::100.00(24) D::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) R::100.00(24) L::100.00(24) C::100.00(24) C::100.00(24) C::100.00(24) C::100.00(24) C::100.00(24) C::100.00(25)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) V::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) R::100.00(24) G::100.00(24) R::100.00(24)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G L	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) L::100.00(24) Q::100.00(24) D::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) R::100.00(24) L::100.00(24) C::100.00(24) C::100.00(24) C::100.00(24) C::100.00(24) C::100.00(24) C::100.00(25)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G L Y P	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) Q::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) V::100.00(24) V::100.00(25) Y::100.00(25) P::100.00(25)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G L Y P A	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) V::100.00(24) V::100.00(24) T::100.00(25) P::100.00(25) A::100.00(25)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G L Y P A G	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) P::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) V::100.00(24) V::100.00(25) Y::100.00(25) A::100.00(25) G::100.00(25)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	S T T H Q T L Q D P R V R G L Y P A G G	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) D::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) V::100.00(24) V::100.00(25) Y::100.00(25) A::100.00(25) G::100.00(25) G::100.00(25)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22 23	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G L Y P A G G S	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) D::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) V::100.00(24) T::100.00(25) T::100.00(25) G::100.00(25) G::100.00(25) S::100.00(25) S::100.00(25)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22 23 24	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G L Y P A G G S S	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) L::100.00(24) Q::100.00(24) Q::100.00(24) Q::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) V::100.00(24) C::100.00(25) Y::100.00(25) P::100.00(25) G::100.00(25) S::100.00(25) S::100.00(25) S::100.00(25) S::100.00(25)
S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S	1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22 23	F F F F F F F F F F F F F F F F F F F	S T T H Q T L Q D P R V R G L Y P A G G S	S::100.00(23) T::100.00(24) T::100.00(24) H::100.00(24) Q::100.00(24) T::100.00(24) L::100.00(24) Q::100.00(24) D::100.00(24) P::100.00(24) P::100.00(24) R::100.00(24) V::100.00(24) T::100.00(25) T::100.00(25) G::100.00(25) G::100.00(25) S::100.00(25) S::100.00(25)

S2	26	\mathbf{F}	G	G::100.00(25)
S2	27	\mathbf{F}	${ m T}$	T::100.00(25)
S2	28	$^{\mathrm{r}}$	V	V::100.00(25)
S2	29	F	Ň	N::100.00(24)
S2	30	F	P	P::100.00(24)
S2	31	F	V	V::100.00(3)
S2	32	F	P	P::100.00(3)
S2	33	\mathbf{F}	${ m T}$	T::100.00(3)
S2	34	\mathbf{F}	${ m T}$	T::100.00(3)
S2	35	\mathbf{F}	V	V::100.00(3)
S2	36	\mathbf{F}	S	S::100.00(3)
S2	37	\mathbf{F}	H	H::100.00(3)
S2	38	\mathbf{F}	I	I::100.00(3)
S2	39	\mathbf{F}	\mathbf{S}	S::100.00(3)
S2	40	\mathbf{F}	\mathbf{S}	S::100.00(3)
S2	41	\mathbf{F}	I	I::100.00(3)
S2	43	\mathbf{F}	\mathbf{S}	S::100.00(3)
S2	44	${f F}$	R	R::100.00(3)
S2	45	F	I	I::100.00(3)
S2	46	F	G	G::100.00(3)
S2	47	F	D	D::100.00(3)
S2	48	F	P	P::100.00(3)
		F	A	` '
S2	49			A::100.00(3)
S2	50	F	L	L::100.00(3)
S2	51	F	N	N::100.00(2)
S2	52	F	M	M::100.00(1)
S2	53	F	\mathbf{E}	E::100.00(1)
S2	54	\mathbf{F}	N	N::100.00(1)
S2	55	\mathbf{F}	I	I::100.00(1)
S2	56	\mathbf{F}	${ m T}$	T::100.00(1)
S2	57	\mathbf{F}	S	S::100.00(1)
S2	58	\mathbf{F}	G	G::100.00(1)
S2	60	\mathbf{F}	${ m L}$	L::100.00(1)
S2	61	\mathbf{F}	G	G::100.00(1)
S2	62	\mathbf{F}	P	P::100.00(1)
S2	63	\mathbf{F}	${f L}$	L::100.00(1)
S2	64	\mathbf{F}	${f L}$	L::100.00(1)
S2	65	\mathbf{F}	V	V::100.00(1)
S2	67	$ m_F$	Q	Q::100.00(9)
S2	68	$^{\mathrm{r}}$	Å	A::100.00(20)
S2	69	F	G	G::100.00(20)
S2	72	F	L	L::100.00(21)
S2		F	L	L::100.00(23)
	73			` ,
S2	74	F	Т	T::100.00(23)
S2	75 76	F	R	R::100.00(23)
S2	76 77	F	I	I::100.00(23)
S2	77	F	L	L::100.00(23)
S2	78	F	$_{-}^{\mathrm{T}}$	T::100.00(25)
S2	79	\mathbf{F}	I	I::100.00(26)
S2	80	\mathbf{F}	Р	P::100.00(27)
S2	81	\mathbf{F}	Q	Q::100.00(27)

S2	82	F	\mathbf{S}	S::100.00(27)
S2	83	F	${f L}$	L::100.00(27)
S2	84	F	D	D::100.00(27)
$\tilde{\mathrm{S2}}$	85	$^{-}$	$\overline{\mathrm{S}}$	S::100.00(27)
$\tilde{\mathrm{S2}}$	86	$^{-}$	W	W::100.00(27)
$\tilde{S2}$	87	F	W	W::100.00(27)
S2	88	F	$\stackrel{\cdot \cdot \cdot}{\mathrm{T}}$	T::100.00(27)
S2	89	F	S	S::100.00(28)
S2	90	F	L	L::100.00(28)
S2	91	F	N	N::100.00(29)
S2	93	F	L	L::100.00(29)
S2	94	F	G	G::100.00(29)
S2	95	F	G	G::100.00(29)
S2 S2		F	T	` ,
	96			T::100.00(31)
S2	97	F	\mathbf{T}	T::100.00(31)
S2	98	F	V	V::96.77(30)
S2	99	F	С	C::100.00(31)
S2	100	F	L	L::100.00(31)
S2	101	F	G	G::100.00(31)
S2	102	F	Q	Q::100.00(31)
S2	103	F	N	N::100.00(31)
S2	104	\mathbf{F}	\mathbf{S}	S::100.00(31)
S2	105	\mathbf{F}	Q	Q::100.00(31)
S2	106	\mathbf{F}	\mathbf{S}	S::100.00(31)
S2	107	\mathbf{F}	P	P::100.00(31)
S2	108	\mathbf{F}	${ m T}$	T::100.00(31)
S2	109	\mathbf{F}	\mathbf{S}	S::100.00(32)
S2	110	\mathbf{F}	N	N::100.00(33)
S2	111	\mathbf{F}	${ m H}$	H::100.00(33)
S2	112	\mathbf{F}	${ m S}$	S::100.00(33)
S2	113	\mathbf{F}	P	P::100.00(33)
S2	114	\mathbf{F}	${ m T}$	T::100.00(33)
S2	115	\mathbf{F}	\mathbf{S}	S::100.00(33)
S2	116	\mathbf{F}	$^{\rm C}$	C::100.00(33)
$\tilde{\mathrm{S2}}$	117	$^-\mathrm{F}$	P	P::100.00(10)
$\tilde{S2}$	118	F	P	P::100.00(10)
S2	119	F	${ m T}$	T::100.00(10)
S2	120	F	Č	C::80.00(8) *::20.00(2)
S2	121	F	P	P::100.00(10)
S2	122	F	G	G::100.00(10)
S2	123	F	Y	Y::100.00(10)
S2	123	F	R	R::100.00(10)
S2	124 125	F	W	W::100.00(10)
S2 S2		F	M M	M::100.00(10)
	126			· ,
S2	127	F	С	C::100.00(8)
S2	128	F	L	L::85.71(6) P::14.29(1)
S2	129	F	R	R::100.00(6)
S2	130	F	R	R::100.00(7)
S2	132	F	I	I::100.00(9)
S2	133	F	I	I::100.00(9)
S2	135	F	${ m L}$	L::100.00(10)

S2	137	\mathbf{F}	I	I::100.00(10)
S2	138	\mathbf{F}	${ m L}$	L::100.00(9)
S2	139	\mathbf{F}	${ m L}$	L::100.00(8)
S2	140	\mathbf{F}	${ m L}$	L::100.00(8)
S2	141	F	$^{\rm C}$	C::100.00(8)
S2	142	F	L	L::100.00(8)
				` /
S2	143	F	I	I::100.00(8)
S2	145	\mathbf{F}	${ m L}$	L::100.00(6)
S2	146	F	${ m L}$	L::100.00(6)
S2	147	\mathbf{F}	V	V::100.00(6)
S2	148	\mathbf{F}	${ m L}$	L::100.00(6)
S2	149	\mathbf{F}	${ m L}$	L::100.00(6)
S2	150	\mathbf{F}	D	D::100.00(6)
S2	151	\mathbf{F}	Y	Y::100.00(6)
S2	152	F	Q	Q::100.00(6)
S2	153	F	Ğ	G::100.00(6)
S2	154	F	M	M::100.00(6)
S2	155	F	L	L::100.00(6)
S2	156	F	P	P::100.00(6)
S2	157	\mathbf{F}	V	V::100.00(6)
S2	158	\mathbf{F}	\mathbf{C}	C::100.00(6)
S2	159	\mathbf{F}	P	P::100.00(4)
S2	160	\mathbf{F}	${ m L}$	L::100.00(4)
S2	161	\mathbf{F}	I	I::100.00(4)
S2	162	\mathbf{F}	P	P::100.00(4)
S2	163	\mathbf{F}	G	G::100.00(4)
S2	164	\mathbf{F}	\mathbf{S}	S::100.00(4)
S2	165	F	$\overset{\sim}{ ext{S}}$	S::100.00(4)
S2	166	F	$\overset{\circ}{ m T}$	T::100.00(4)
S2	167	F	$\stackrel{\mathtt{1}}{\mathrm{T}}$	T::100.00(4)
S2		F	S	* *
	168			S::100.00(4)
S2	169	F	T	T::100.00(2)
S2	170	F	G	G::100.00(2)
S2	171	F	P	S::50.00(1) P::50.00(1)
S2	172	\mathbf{F}	\mathbf{C}	C::100.00(2)
S2	173	\mathbf{F}	\mathbf{R}	R::100.00(2)
S2	174	\mathbf{F}	${ m T}$	T::100.00(2)
S2	175	\mathbf{F}	\mathbf{C}	C::100.00(2)
S2	176	\mathbf{F}	${ m T}$	T::100.00(2)
S2	177	\mathbf{F}	${ m T}$	T::100.00(1)
S2	178	\mathbf{F}	Р	P::100.00(1)
S2	179	\mathbf{F}	A	A::100.00(2)
S2	180	F	Q	Q::100.00(2)
S2	181	F	Ğ	G::100.00(2)
S2	182	F	T	T::100.00(2)
			S	
S2	183	F		S::100.00(2)
S2	184	F	M	M::100.00(1)
S2	185	F	Y	Y::100.00(1)
S2	186	F	P	P::100.00(1)
S2	187	F	\mathbf{S}	S::100.00(1)
S2	188	\mathbf{F}	\mathbf{C}	C::100.00(1)

S2	189	\mathbf{F}	C	C::100.00(1)
S2	190	\mathbf{F}	\mathbf{C}	C::100.00(1)
S2	191	$\overline{\mathrm{F}}$	$\dot{\mathrm{T}}$	T::100.00(1)
S2 S2	192	F	K	K::100.00(1)
			P	
S2	193	F		P::100.00(1)
S2	194	F	S	S::100.00(1)
S2	195	F	D	D::100.00(1)
S2	196	\mathbf{F}	G	G::100.00(1)
S2	197	\mathbf{F}	N	N::100.00(1)
S2	198	\mathbf{F}	\mathbf{C}	C::100.00(1)
S2	199	F	${ m T}$	T::100.00(1)
S2	200	F	C	C::100.00(1)
S2	201	F	I	I::100.00(1)
S2	202	F	P	P::100.00(1)
S2	203	F	I	I::100.00(1)
S2	204	F	P	P::100.00(2)
S2	205	F	S	S::100.00(2)
S2	206	F	S	S::100.00(2)
S2	207	\mathbf{F}	W	W::100.00(2)
S2	208	$^{-}$	A	A::100.00(2)
S2	210	F	G	G::100.00(2)
S2 S2	210	F	K	
				K::100.00(2)
S2	213	F	L	L::100.00(2)
S2	214	F	W	W::100.00(2)
S2	215	F	E	E::100.00(2)
S2	216	F	W	W::100.00(2)
S2	217	F	A	A::100.00(2)
S2	218	\mathbf{F}	\mathbf{S}	S::100.00(3)
S2	219	\mathbf{F}	A	A::100.00(3)
S2	220	$\overline{\mathrm{F}}$	R	R::100.00(3)
S2	222	F	S	S::100.00(3)
S2 S2	223	F	W	W::100.00(3)
S2	224	F	L	L::100.00(3)
S2	225	F	S	S::100.00(5)
S2	226	F	L	L::100.00(5)
S2	227	F	L	L::100.00(4)
S2	228	F	V	V::100.00(4)
S2	229	F	P	P::100.00(4)
S2	231	F	V	V::100.00(5)
S2	232	F	Q	Q::100.00(5)
S2	233	F	W	W::100.00(5)
S2	235	F	V	V::100.00(5)
S2	236	F	G	G::100.00(5)
S2	237	F	L	L::100.00(5)
S2	238	F	S	S::100.00(5)
S2	239	\mathbf{F}	P	P::100.00(5)
S2	240	F	T	T::100.00(5)
S2	241	F	V	V::100.00(5)
S2	242	\mathbf{F}	W	W::100.00(5)
S2	243	F	L	L::100.00(5)
S2	244	F	S	S::100.00(5)
24	-11	•	~	2100.00(0)

CO	0.45	-	T. 7	TT 100 00(F)
S2	245	F	V	V::100.00(5)
S2	246	\mathbf{F}	I	I::100.00(5)
S2	247	\mathbf{F}	W	W::100.00(5)
S2	248	\mathbf{F}	${ m M}$	M::100.00(5)
S2	249	\mathbf{F}	M	M::100.00(5)
S2	$\frac{249}{250}$	F	W	. ,
				W::100.00(5)
S2	251	F	Y	Y::100.00(5)
S2	252	\mathbf{F}	W	W::100.00(5)
S2	253	\mathbf{F}	G	G::100.00(4)
S2	254	\mathbf{F}	P	P::100.00(4)
S2	255	\mathbf{F}	\mathbf{S}	S::100.00(4)
S2	256	\mathbf{F}	${ m L}$	L::100.00(4)
$\tilde{\mathrm{S2}}$	257	F	Y	Y::100.00(4)
S2		F		
	258		S	S::100.00(4)
S2	259	F	I	I::100.00(4)
S2	260	\mathbf{F}	L	L::100.00(4)
S2	261	\mathbf{F}	S	S::100.00(4)
S2	262	\mathbf{F}	P	P::100.00(4)
S2	264	\mathbf{F}	${ m L}$	L::100.00(4)
S2	265	\mathbf{F}	Р	P::100.00(4)
$\tilde{\mathrm{S2}}$	266	$^{-}$	L	L::100.00(4)
S2 S2	$\frac{267}{267}$	F	L	L::100.00(3)
				` /
S2	268	F	P	P::100.00(4)
S2	269	\mathbf{F}	I	I::100.00(4)
S2	272	\mathbf{F}	\mathbf{C}	C::100.00(2)
S2	273	\mathbf{F}	${ m L}$	L::100.00(2)
S2	274	\mathbf{F}	W	W::100.00(3)
				W::100.00(3) V::66.67(2) A::33.33(1)
S2	275	\mathbf{F}	V	V::66.67(2) A::33.33(1)
S2 S2	275 276	F F	V Y	V::66.67(2) A::33.33(1) Y::100.00(3)
$\frac{\begin{array}{c} S2 \\ S2 \\ \end{array}}{X}$	275 276 1	F F	V Y M	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3)
S2 S2 X X	275 276 1 2	F F F	Y Y M A	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3)
$\frac{\begin{array}{c} S2 \\ S2 \\ \end{array}}{X}$	275 276 1	F F	V Y M	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3)
S2 S2 X X	275 276 1 2	F F F	Y Y M A	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3)
S2 S2 X X X X	275 276 1 2 3 4	F F F F F	Y Y M A A R	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) R::100.00(3)
S2 S2 X X X X X X	275 276 1 2 3 4 5	F F F F F	V Y M A A R L	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) R::100.00(3) L::100.00(3)
S2 S2 X X X X X X	275 276 1 2 3 4 5 6	F F F F F	V Y M A A R L	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) B::100.00(3) C::100.00(3)
S2 S2 X X X X X X X	275 276 1 2 3 4 5 6 7	F F F F F F	V Y M A A R L C	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) E::100.00(3) C::100.00(3) C::100.00(3)
S2 S2 X X X X X X X X	275 276 1 2 3 4 5 6 7 8	F F F F F F F	Y Y M A A R L C C C Q	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3)
S2 S2 X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9	F F F F F F F F	V Y M A A R L C C C Q L	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) E::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3)
S2 S2 X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10	F F F F F F F F	V Y M A A R L C C C Q L D	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3)
S2 S2 X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11	F F F F F F F F	V Y M A A R L C C C Q L D	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3)
S2 S2 X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10	F F F F F F F F	V Y M A A R L C C C Q L D	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3)
S2 S2 X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11	F F F F F F F F	V Y M A A R L C C C Q L D	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3)
S2 S2 X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13	F F F F F F F F F F	V Y M A A R L C C Q L D P A R	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) E::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) A::100.00(3) P::100.00(3) A::100.00(3) A::100.00(3) A::100.00(3)
S2 S2 X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14	F F F F F F F F F F F	V Y M A A R L C C C Q L D P A R D	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) E::100.00(3) C::100.00(3) C::100.00(3) Q::100.00(3) L::100.00(3) D::100.00(3) D::100.00(3) D::100.00(3) D::100.00(3) D::100.00(3) A::100.00(3) D::100.00(3) D::100.00(3)
S2 S2 X X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	F F F F F F F F F F F F F F F F F F F	V Y M A A R L C C C Q L D P A R D V	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) E::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) D::100.00(3) P::100.00(3) P::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3)
S2 S2 X X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	F F F F F F F F F F F F F F F F F F F	V Y M A A R L C C C Q L D P A R D V L	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) B::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) P::100.00(3) A::100.00(3) A::100.00(3) A::100.00(3) D::100.00(3) D::100.00(3) D::100.00(3) D::100.00(3)
\$2 \$2 \$X X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	F F F F F F F F F F F F F F F F F F F	V Y M A A R L C C C Q L D P A R D V L C	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) B::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) P::100.00(3) A::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3)
S2 S2 X X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	F F F F F F F F F F F F F F F F F F F	V Y M A A R L C C C Q L D P A R D V L C C L	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) R::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) P::100.00(3) A::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) A::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3)
\$2 \$2 \$X X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	F F F F F F F F F F F F F F F F F F F	V Y M A A R L C C C Q L D P A R D V L C C L R	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) R::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) P::100.00(3) P::100.00(3) A::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) B::100.00(3) C::100.00(3)
\$2 \$2 \$X X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	F F F F F F F F F F F F F F F F F F F	V Y M A A R L C C Q L D P A R D V L C L R P	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) E::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) P::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) A::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) D::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) P::100.00(3)
\$2 \$2 \$X X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	F F F F F F F F F F F F F F F F F F F	V Y M A A R L C C Q L D P A R D V L C L R P V	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) R::100.00(3) C::100.00(3) C::100.00(3) Q::100.00(3) D::100.00(3) P::100.00(3) A::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) A::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) C::100.00(3)
\$2 \$2 \$X X X X X X X X X X X X X X X X X	275 276 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	F F F F F F F F F F F F F F F F F F F	V Y M A A R L C C Q L D P A R D V L C L R P	V::66.67(2) A::33.33(1) Y::100.00(3) M::100.00(3) A::100.00(3) A::100.00(3) E::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) P::100.00(3) A::100.00(3) A::100.00(3) C::100.00(3) A::100.00(3) C::100.00(3) D::100.00(3) D::100.00(3) D::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) C::100.00(3) P::100.00(3)

```
Χ
                                          Α
             23
                            F
                                                                  A::100.00(3)
Х
              24
                            F
                                          \mathbf{E}
                                                                  E::100.00(3)
Χ
                            \mathbf{F}
                                          \mathbf{S}
             25
                                                                  S::100.00(3)
Χ
              26
                            F
                                          \mathbf{R}
                                                                  R::100.00(2)
Χ
                            F
              27
                                          G
                                                                  G::100.00(2)
                            F
Χ
                                          \mathbf{R}
              28
                                                                  R::100.00(2)
Χ
                            F
              29
                                          Ρ
                                                                  P::100.00(2)
Χ
                            F
                                          S
              31
                                                                  S::100.00(2)
Χ
             32
                            F
                                          G
                                                                  G::100.00(2)
Χ
             33
                            F
                                          Ρ
                                                                  P::100.00(2)
Χ
                            F
             34
                                          \mathbf{L}
                                                                  L::100.00(2)
Χ
              35
                            F
                                          G
                                                                  G::100.00(2)
Χ
              36
                            F
                                          T
                                                                  T::50.00(1) S::50.00(1)
Х
              37
                            F
                                          \mathbf{L}
                                                                  L::100.00(2)
Χ
                                          \mathbf{S}
              38
                            F
                                                                  S::100.00(2)
Χ
              39
                            F
                                          \mathbf{S}
                                                                  S::100.00(2)
                            F
Χ
                                          Ρ
              40
                                                                  P::100.00(2)
Χ
             41
                            F
                                          \mathbf{S}
                                                                  S::100.00(2)
                            F
Х
                                          Ρ
              42
                                                                  P::100.00(2)
Χ
                            F
                                          \mathbf{S}
              43
                                                                  S::100.00(2)
Χ
                            F
              70
                                          A
                                                                  A::100.00(1)
Χ
                            F
              71
                                          \mathbf{L}
                                                                  L::100.00(1)
Χ
                            F
              72
                                          \mathbf{R}
                                                                  R::100.00(1)
Χ
              74
                            F
                                          Τ
                                                                  T::100.00(1)
Χ
                            F
                                          S
             75
                                                                  S::100.00(1)
Χ
                            F
              76
                                          A
                                                                  A::100.00(1)
Χ
              77
                            F
                                          R
                                                                  R::100.00(43)
Χ
                            F
              78
                                          \mathbf{R}
                                                                  R::100.00(46)
Χ
              79
                            F
                                          Μ
                                                                  M::100.00(46)
Χ
                            F
             80
                                          \mathbf{E}
                                                                  E::97.83(45)
Х
             81
                            F
                                          T
                                                                  T::100.00(46)
Χ
                            F
                                          Τ
             82
                                                                  T::100.00(46)
Χ
             83
                            \mathbf{F}
                                          V
                                                                  V::100.00(46)
                            F
Χ
              84
                                          Ν
                                                                  N::100.00(46)
Χ
                            F
              85
                                          Α
                                                                  A::100.00(46)
                            F
Х
                                          Η
              86
                                                                  H::100.00(46)
Χ
                            F
             87
                                          \mathbf{L}
                                                                  L::84.78(39) Q::15.22(7)
Χ
                            F
              89
                                          \mathbf{L}
                                                                  L::100.00(46)
Χ
             90
                            F
                                          Ρ
                                                                  P::100.00(47)
Χ
                            F
                                          \mathbf{K}
             91
                                                                  K::100.00(47)
Χ
                            F
             92
                                          V
                                                                  V::100.00(47)
Χ
                            F
             93
                                          \mathbf{L}
                                                                  L::100.00(47)
Χ
                            F
                                                                  H::97.87(46)
             94
                                          Η
Χ
              95
                            F
                                          K
                                                                  K::100.00(47)
Χ
              96
                            F
                                          R
                                                                  R::100.00(47)
Χ
                            F
              97
                                          Τ
                                                                  T::97.87(46)
Х
             98
                            F
                                          \mathbf{L}
                                                                  L::100.00(47)
Χ
             99
                            F
                                          G
                                                                  G::100.00(47)
Χ
                            \mathbf{F}
              100
                                          \mathbf{L}
                                                                  L::100.00(47)
Χ
              101
                            F
                                          \mathbf{S}
                                                                  S::100.00(47)
Χ
                            \mathbf{F}
                                          V
              102
                                                                  V::100.00(47)
```

X	103	F	\mathbf{M}	M::97.87(46)
X	104	F	S	S::100.00(47)
X	105	F	$\overset{\circ}{\mathrm{T}}$	T::100.00(47)
X	106	F	$\stackrel{ au}{ m T}$	T::100.00(47)
X	107	$\overline{\mathrm{F}}$	D	D::100.00(48)
X	108	F	L	L::100.00(48)
X	109	F	E	E::100.00(48)
X	110	F	A	A::100.00(48)
X	111	F	Y	Y::100.00(48)
X	113	F	K	K::100.00(50)
X	114	F	D	D::100.00(50)
X	115	F	C	C::100.00(50)
X	116	F	L	L::100.00(51)
X	118	F	K	K::100.00(51)
X	119	F	D	D::100.00(50)
X	120	F	W	W::100.00(50)
X	121	F	E	E::100.00(50)
X	121	F	E	E::100.00(50)
X	123	F	L	L::100.00(50)
X	123	F	G	G::100.00(49)
X	125	F	E	E::100.00(47)
X	126	F	E	E::100.00(41)
X	$\frac{120}{127}$	F	I	I::100.00(4)
X	128	F	R	R::100.00(4)
X	129	F	L	L::100.00(4)
X	130	F	K	* /
X	131	F	V	K::75.00(3) M::25.00(1) V::75.00(3) I::25.00(1)
X	133	F	V	V::100.00(4)
X	134	F	v L	L::100.00(4)
X	134 135	F	G	G::100.00(3)
X	136	F	G	G::100.00(6)
X	137	F	C	C::100.00(6)
X	138	F	R	R::100.00(6)
X	139	F	Н	H::100.00(6)
X	140	F	K	K::100.00(6)
X	140	F	L	L::100.00(6)
X	141	F	V	V::100.00(6)
X	143	F	$\overset{\mathbf{v}}{\mathbf{C}}$	C::100.00(6)
X	144	F	A	A::100.00(8)
X	145	F	P	P::100.00(8)
X	146	F	A	A::100.00(8)
X	147	F	P	P::100.00(8)
X	148	F	$\stackrel{1}{\mathrm{C}}$	C::100.00(8)
X	149	F	N	N::100.00(8)
X	149 152	F	$\stackrel{ ag{T}}{ ext{T}}$	T::100.00(3)
X	153	F	S	S::100.00(10)
\overline{C}	1	F	M	M::100.00(13)
\mathbf{C}	2	\mathbf{F}	D	D::100.00(13)
\mathbf{C}	3	\mathbf{F}	I	I::100.00(13)
\mathbf{C}	4	\mathbf{F}	D	D::100.00(11)
С	5	\mathbf{F}	P	P::100.00(13)

```
С
                                             Y
              6
                              F
                                                                     Y::100.00(13)
С
              7
                              F
                                             Κ
                                                                     K::100.00(13)
С
                              F
              8
                                             \mathbf{E}
                                                                     E::100.00(12)
С
                              F
                                             G
              10
                                                                     G::100.00(12)
С
                              F
                                             A
                                                                     A::100.00(12)
              11
С
                              F
                                             Τ
              12
                                                                     T::100.00(12)
С
                              F
              13
                                             V
                                                                      V::100.00(12)
С
                              F
              14
                                             \mathbf{E}
                                                                     E::100.00(49)
                              F
\mathbf{C}
                                             \mathbf{L}
              15
                                                                     L::100.00(50)
С
              16
                              F
                                             L
                                                                     L::100.00(52)
\mathbf{C}
                              F
                                             S
              17
                                                                     S::100.00(51)
С
                              \mathbf{F}
              19
                                             \mathbf{L}
                                                                     L::100.00(52)
С
              20
                              F
                                             Ρ
                                                                     P::100.00(52)
\mathbf{C}
              21
                              \mathbf{F}
                                             \mathbf{T}
                                                                     T::78.85(41) S::21.15(11)
С
              22
                              \mathbf{F}
                                             D
                                                                     D::100.00(52)
С
              25
                              F
                                             Ρ
                                                                     P::100.00(54)
С
                              F
                                             S
              26
                                                                     S::100.00(54)
С
              27
                              \mathbf{F}
                                            V
                                                                     V::100.00(54)
\mathbf{C}
                              F
              28
                                            \mathbf{R}
                                                                     R::100.00(54)
С
              29
                              \mathbf{F}
                                            D
                                                                     D::98.15(53)
С
                              F
              30
                                            \mathbf{L}
                                                                     L::100.00(54)
\mathbf{C}
                              F
              31
                                            \mathbf{L}
                                                                     L::100.00(53)
                              F
С
              32
                                            D
                                                                     D::100.00(52)
С
              33
                              F
                                            Т
                                                                     T::100.00(52)
                              F
\mathbf{C}
              34
                                            A
                                                                     A::100.00(50)
\mathbf{C}
                             F
              35
                                            \mathbf{S}
                                                                     S::100.00(51)
С
              36
                              F
                                            A
                                                                     A::100.00(52)
\mathbf{C}
                              F
              37
                                            \mathbf{L}
                                                                     L::100.00(51)
С
                              F
              38
                                            Y
                                                                     Y::100.00(51)
С
              39
                              F
                                            \mathbf{R}
                                                                     R::100.00(51)
С
                              F
              40
                                            D
                                                                     D::76.00(38) E::24.00(12)
С
                              \mathbf{F}
                                            A
              41
                                                                     A::100.00(49)
С
              42
                             F
                                            \mathbf{L}
                                                                     L::100.00(50)
С
                             F
              43
                                            Е
                                                                     E::100.00(50)
С
                              F
                                            \mathbf{S}
              44
                                                                     S::98.00(49)
\mathbf{C}
                              F
                                            Ρ
              45
                                                                     P::100.00(50)
                              F
                                            Е
              46
                                                                     E::100.00(50)
        47
                       F
                                      Η
                                                               H::100.00(50)
        48
                       F
                                      \mathbf{C}
                                                               C::98.00(49)
                                      \mathbf{S}
                       F
        49
                                                               S::100.00(50)
                       F
                                      Ρ
        50
                                                               P::100.00(51)
                       \mathbf{F}
                                      Η
        51
                                                               H::100.00(50)
                       F
                                      Η
                                                               H::100.00(50)
        52
        53
                       \mathbf{F}
                                      \mathbf{T}
                                                               T::100.00(50)
        54
                       F
                                                               A::100.00(50)
                                      A
        55
                       F
                                      \mathbf{L}
                                                               L::100.00(49)
                       F
                                      R
        56
                                                               R::100.00(49)
        57
                       F
                                      Q
                                                               Q::100.00(47)
                       F
        58
                                      Α
                                                               A::100.00(47)
        59
                       F
                                      Ι
                                                               I::97.83(45)
                       F
        60
                                      \mathbf{L}
                                                               L::100.00(47)
```

 \mathbf{C}

 \mathbf{C}

 \mathbf{C}

 \mathbf{C}

 \mathbf{C}

 \mathbf{C}

 \mathbf{C}

 \mathbf{C}

С

С

 \mathbf{C}

С

 \mathbf{C}

С

```
\mathbf{C}
                                F
                                                С
                61
                                                                           C::97.87(46)
С
                62
                                F
                                                W
                                                                           W::100.00(47)
\mathbf{C}
                                                                           G::100.00(9)
                63
                                \mathbf{F}
                                                \mathbf{G}
\mathbf{C}
                                F
                                                                           E::42.86(3) D::42.86(3) Y::14.29(1)
                64
                                                D
\mathbf{C}
                                F
                65
                                                L
                                                                           L::100.00(7)
\mathbf{C}
                                F
                66
                                                Μ
                                                                           M::85.71(6) K::14.29(1)
\mathbf{C}
                67
                                F
                                                \mathbf{T}
                                                                           T::100.00(7)
\mathbf{C}
                68
                                F
                                                \mathbf{L}
                                                                           L::85.71(6) Q::14.29(1)
\mathbf{C}
                                F
                69
                                                A
                                                                           A::100.00(7)
\mathbf{C}
                70
                                F
                                                \mathbf{T}
                                                                           T::100.00(7)
\mathbf{C}
                                F
                                                W
                71
                                                                           W::85.71(6) S::14.29(1)
С
                72
                                F
                                                V
                                                                           V::100.00(7)
С
                73
                                F
                                                G
                                                                           G::100.00(6)
\mathbf{C}
                74
                                F
                                                G
                                                                           G::100.00(5)
С
                75
                                F
                                                Ν
                                                                           N::100.00(6)
\mathbf{C}
                76
                                F
                                                \mathbf{L}
                                                                           L::100.00(6)
С
                                F
                                                \mathbf{E}
                77
                                                                           E::100.00(6)
\mathbf{C}
                78
                                F
                                                D
                                                                           D::83.33(5) Y::16.67(1)
С
                                F
                                                Ρ
                79
                                                                           P::100.00(6)
\mathbf{C}
                                F
                80
                                                Ι
                                                                           I::100.00(5)
\mathbf{C}
                                F
                                                S
                81
                                                                           S::100.00(5)
\mathbf{C}
                                F
                82
                                                R
                                                                           R::100.00(5)
\mathbf{C}
                83
                                F
                                                D
                                                                           D::80.00(4) H::20.00(1)
\mathbf{C}
                84
                                F
                                                \mathbf{L}
                                                                           L::100.00(5)
\mathbf{C}
                                \mathbf{F}
                85
                                                V
                                                                           V::100.00(6)
\mathbf{C}
                                F
                                                V
                86
                                                                           V::100.00(5)
\mathbf{C}
               87
                                F
                                                S
                                                                           S::100.00(5)
\mathbf{C}
                                F
                                                Y
               88
                                                                           Y::100.00(5)
С
               89
                                \mathbf{F}
                                                V
                                                                           V::100.00(5)
С
                                F
               90
                                                Ν
                                                                           N::100.00(5)
С
               91
                                \mathbf{F}
                                                T
                                                                           T::100.00(4)
С
                                F
               92
                                                Ν
                                                                           N::75.00(3) H::25.00(1)
С
               93
                                F
                                                                           M::50.00(2) V::25.00(1) L::25.00(1)
                                                M
С
               94
                                \mathbf{F}
                                                G
                                                                           G::100.00(4)
С
                                F
               95
                                                \mathbf{L}
                                                                           L::100.00(4)
С
                                \mathbf{F}
                                                Κ
                                                                           K::100.00(4)
               96
\mathbf{C}
                                F
               98
                                                R
                                                                           R::100.00(3)
С
                                F
               99
                                                Q
                                                                           Q::66.67(2) E::33.33(1)
\mathbf{C}
               100
                                F
                                                L
                                                                           L::100.00(3)
С
                                F
               101
                                                \mathbf{L}
                                                                           L::100.00(3)
С
                                F
               102
                                                W
                                                                           W::100.00(3)
С
               104
                                \mathbf{F}
                                                Η
                                                                           H::100.00(3)
\mathbf{C}
                                F
               105
                                                Ι
                                                                           I::100.00(3)
\mathbf{C}
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                                F
                                                S
                                                                           S::100.00(3)
\mathbf{C}
                                F
                                                \mathbf{C}
               107
                                                                           C::100.00(4)
С
               108
                                \mathbf{F}
                                                \mathbf{L}
                                                                           L::100.00(5)
С
                                F
                                                \mathbf{T}
                                                                           T::100.00(4)
               109
\mathbf{C}
                                \mathbf{F}
                                                G
                                                                           G::100.00(4)
               111
С
               112
                                \mathbf{F}
                                                \mathbf{R}
                                                                           R::100.00(5)
\mathbf{C}
               113
                                \mathbf{F}
                                                \mathbf{E}
                                                                           E::100.00(5)
С
                                                Т
                                \mathbf{F}
                                                                           T::80.00(4) M::20.00(1)
               114
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\mathbf{C}	115	\mathbf{F}	V	V::100.00(5)
С	116	F	I	I::100.00(5)
\mathbf{C}	117	\mathbf{F}	E	E::100.00(5)
\mathbf{C}	118	\mathbf{F}	Y	Y::100.00(5)
\mathbf{C}	119	F	L	L::100.00(6)
С	120	F	V	V::100.00(6)
С	121	F	S	S::100.00(7)
C	123	$\overline{\mathrm{F}}$	$\tilde{\mathrm{G}}$	G::100.00(8)
C				. ,
\mathbf{C}	124	F	V	V::100.00(8)
С	125	F	W	W::85.71(6) *::14.29(1)
С	126	F	I	I::100.00(7)
C	127	\mathbf{F}	R	R::100.00(7)
C		F		
C	128		\mathbf{T}	T::100.00(7)
\mathbf{C}	129	\mathbf{F}	P	P::100.00(7)
С	130	\mathbf{F}	P	P::57.14(4) Q::42.86(3)
\mathbf{C}	131	F	A	A::100.00(8)
C		F	Y	Y::100.00(8)
C	132			` /
\mathbf{C}	133	F	R	R::100.00(8)
С	134	\mathbf{F}	P	P::100.00(7)
\mathbf{C}	135	\mathbf{F}	P	P::100.00(8)
Č	136	F	N	N::100.00(9)
C	137	\mathbf{F}	A	A::100.00(10)
\mathbf{C}	138	\mathbf{F}	P	P::100.00(10)
\mathbf{C}	139	\mathbf{F}	I	I::100.00(10)
\mathbf{C}	140	\mathbf{F}	L	L::100.00(10)
C			S	` /
	141	F		S::100.00(10)
\mathbf{C}	142	\mathbf{F}	${ m T}$	T::100.00(10)
\mathbf{C}	143	\mathbf{F}	L	L::100.00(10)
\mathbf{C}	144	\mathbf{F}	P	P::100.00(10)
Č	145	F	E	E::100.00(11)
C				
\mathbf{C}	146	\mathbf{F}	T	T::100.00(11)
\mathbf{C}	147	F	${ m T}$	T::100.00(11)
С	148	\mathbf{F}	V	V::100.00(11)
\mathbf{C}	149	\mathbf{F}	V	V::100.00(12)
C				
C	150	F	R	R::100.00(12)
\mathbf{C}	151	F	R	R::83.33(10) Q::16.67(2)
С	152	F	R	R::100.00(12)
С	153	F	G	G::75.00(9) C::25.00(3)
Č	154	$\overline{\mathrm{F}}$	R	R::100.00(13)
C C				
C	155	F	\mathbf{S}	S::100.00(13)
C C	156	\mathbf{F}	P	P::100.00(13)
\mathbf{C}	157	F	R	R::100.00(11)
\mathbf{C}	158	F	R	R::100.00(11)
C				
\mathbf{C}	159	F	R	R::100.00(11)
\mathbf{C}	160	\mathbf{F}	${ m T}$	T::100.00(11)
С	161	\mathbf{F}	P	P::100.00(11)
\mathbf{C}	162	\mathbf{F}	S	S::100.00(10)
C			P	
C	163	F		P::100.00(12)
\mathbf{C}	164	\mathbf{F}	R	R::100.00(12)
С	165	F	R	R::100.00(14)
\mathbf{C}	166	\mathbf{F}	R	R::100.00(14)
Ü	100	-		

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С
                                F
               167
                                                \mathbf{R}
                                                                           R::100.00(14)
С
                168
                                \mathbf{F}
                                                S
                                                                           S::100.00(14)
С
                                \mathbf{F}
               169
                                                Q
                                                                           Q::100.00(14)
\mathbf{C}
                                                \mathbf{S}
                                F
                                                                           S::100.00(13)
               170
\mathbf{C}
                                \mathbf{F}
                                                Р
               171
                                                                           P::100.00(13)
С
                                F
                                                R
               172
                                                                           R::100.00(14)
С
               173
                                F
                                                R
                                                                           R::100.00(14)
С
                                                                           R::85.71(12) *::14.29(2)
               174
                                \mathbf{F}
                                                R
\mathbf{C}
                                F
               175
                                                \mathbf{R}
                                                                           R::100.00(14)
\mathbf{C}
               176
                                F
                                                S
                                                                           S::100.00(14)
С
                                \mathbf{F}
                                                Q
               177
                                                                           Q::100.00(14)
С
               178
                                \mathbf{F}
                                                S
                                                                           S::100.00(14)
С
               179
                                F
                                                \mathbf{R}
                                                                           R::100.00(14)
\mathbf{C}
               180
                                \mathbf{F}
                                                \mathbf{E}
                                                                           E::100.00(16)
С
                                                S
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                                \mathbf{F}
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С
                                \mathbf{F}
                                                Q
                                                                           Q::88.24(15) K::5.88(1) *::5.88(1)
               182
P1
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                                                M
                                                                           M::100.00(9)
Ρ1
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                                                Ρ
                                                                           P::100.00(10)
               3
Ρ1
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                                                                           L::100.00(10)
Ρ1
               4
                                \mathbf{F}
                                                S
                                                                           S::100.00(10)
P1
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                                                                           Y::100.00(10)
Ρ1
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                                                Q
                                                                           Q::100.00(10)
Ρ1
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                                \mathbf{F}
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Ρ1
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Ρ1
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                                \mathbf{F}
                                                L
                                                                           L::100.00(11)
Ρ1
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                                \mathbf{F}
                                                \mathbf{L}
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Ρ1
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                                \mathbf{F}
                                                \mathbf{L}
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Ρ1
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Ρ1
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                                \mathbf{F}
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                                                                           D::83.33(10) N::16.67(2)
P1
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P1
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Ρ1
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                                                G
                                                                           G::100.00(13)
Ρ1
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                                F
                                                Ρ
                                                                           P::100.00(13)
                                F
Ρ1
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Ρ1
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                                F
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Ρ1
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                                F
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Ρ1
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                                                Е
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Ρ1
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Ρ1
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Ρ1
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P1
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Ρ1
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Ρ1
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Ρ1
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                                                Ν
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P1
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                                                                           R::100.00(13)
Ρ1
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                                                                           R::100.00(13)
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                                                                 V::100.00(13)
Ρ1
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                                          Α
                                                                 A::100.00(14)
                            \mathbf{F}
Ρ1
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                                          \mathbf{E}
                                                                 E::100.00(14)
Ρ1
                            F
                                          D
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                                                                 D::100.00(14)
                            \mathbf{F}
Ρ1
                                          \mathbf{L}
                                                                 L::100.00(14)
             41
                            F
P1
             42
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                                                                 N::100.00(14)
Ρ1
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                                                                 L::100.00(14)
P1
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                                                                 G::100.00(16)
Ρ1
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Ρ1
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                                                                 N::100.00(17)
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Ρ1
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P1
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                                                                 S::100.00(16)
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                                          Ι
                                                                 I::100.00(15)
Ρ1
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Ρ1
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                                          Τ
Ρ1
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Ρ1
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Ρ1
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                                          Κ
                                                                 K::100.00(17)
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                            F
                                          V
P1
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                                                                 V::100.00(17)
                            F
                                          G
P1
             57
                                                                 G::100.00(17)
                            F
Ρ1
             58
                                          Ν
                                                                 N::100.00(18)
Ρ1
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Ρ1
             61
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Ρ1
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             63
                                                                 Y::100.00(18)
Ρ1
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                            F
                                          S
                                                                 S::100.00(18)
                            F
                                          S
P1
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                                                                 S::100.00(18)
Ρ1
             66
                            \mathbf{F}
                                          T
                                                                 T::100.00(18)
Ρ1
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                                          V
             67
                                                                 V::94.12(16) I::5.88(1)
Ρ1
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                            \mathbf{F}
                                          Р
                                                                 P::94.12(16) T::5.88(1)
                            F
                                          V
Ρ1
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                                                                 V::100.00(17)
Ρ1
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                                          Ν
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             71
Ρ1
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                            \mathbf{F}
                                          Ρ
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Ρ1
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Ρ1
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             74
                                                                 W::100.00(18)
Ρ1
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                                          Κ
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                            F
P1
             76
                                          Τ
                                                                 T::100.00(18)
Ρ1
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                            F
                                          Р
                                                                 P::100.00(17)
Ρ1
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                                          \mathbf{S}
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                            F
                                          Ρ
Ρ1
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                                                                 P::100.00(13)
                                          Ν
P1
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P1
                            F
             82
                                          Ι
                                                                 I::100.00(14)
Ρ1
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                                          Η
                                                                 H::100.00(15)
Ρ1
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                                          \mathbf{L}
Ρ1
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                            \mathbf{F}
                                          Η
                                                                 H::100.00(15)
                            F
Ρ1
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                                          Q
                                                                 Q::100.00(15)
Ρ1
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                            \mathbf{F}
                                          D
                                                                 D::100.00(14)
                            \mathbf{F}
Ρ1
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                                          Ι
                                                                 I::100.00(14)
Ρ1
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                                          Ι
                                                                 I::100.00(14)
Ρ1
             90
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                                          K
                                                                 K::85.71(12) N::14.29(2)
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Ρ1
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              91
                                            Κ
                                                                    K::100.00(14)
Ρ1
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                                            \mathbf{C}
                                                                    C::92.86(13) *::7.14(1)
                             \mathbf{F}
                                            \mathbf{E}
Ρ1
              93
                                                                    E::100.00(14)
Ρ1
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                             F
                                            Q
                                                                    Q::100.00(13)
                             \mathbf{F}
                                            V
Ρ1
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                                                                    V::100.00(11)
                                            G
Ρ1
                             F
              97
                                                                    G::100.00(11)
                                            Р
Ρ1
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                             F
                                                                    P::100.00(11)
P1
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                                                                    L::100.00(12)
Ρ1
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                                                                    T::100.00(12)
Ρ1
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                                                                    N::100.00(10)
Ρ1
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P1
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                                                                    K::100.00(10)
Ρ1
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                             \mathbf{F}
                                            \mathbf{R}
                                                                    R::100.00(9)
Ρ1
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                                            \mathbf{R}
                                                                    R::100.00(11)
Ρ1
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Ρ1
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                                                                    Q::72.73(8) K::18.18(2) N::9.09(1)
Ρ1
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Ρ1
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              111
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                                                                    M::100.00(11)
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P1
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Ρ1
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                                            A
                                                                    A::100.00(12)
Ρ1
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P1
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Ρ1
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Ρ1
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Ρ1
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Ρ1
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Ρ1
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Ρ1
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                             \mathbf{F}
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Ρ1
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Ρ1
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Ρ1
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Ρ1
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Ρ1
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Ρ1
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P1
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Ρ1
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Ρ1
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Ρ1
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Ρ1
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Ρ1
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                             \mathbf{F}
Ρ1
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                                            Y
                                                                    Y::100.00(8)
Ρ1
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                                            Q
                                                                    Q::100.00(8)
                             \mathbf{F}
                                            Т
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Ρ1
              144
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P1	145	F	R	R::100.00(8)
P1	146	\mathbf{F}	Н	H::100.00(8)
P1	147	F	Y	Y::100.00(8)
P1	148	\mathbf{F}	${ m L}$	L::100.00(7)
P1	149	\mathbf{F}	H	H::100.00(7)
P1	150	\mathbf{F}	${ m T}$	T::100.00(6)
P1	151	\mathbf{F}	L	L::100.00(8)
		F		` ,
P1	152		W	W::100.00(8)
P1	153	F	K	K::100.00(8)
P1	154	\mathbf{F}	A	A::100.00(7)
P1	155	\mathbf{F}	G	G::100.00(7)
P1	156	\mathbf{F}	I	I::83.33(5) V::16.67(1)
P1	157	\mathbf{F}	L	L::100.00(4)
		F	Y	
P1	158			Y::100.00(4)
P1	159	\mathbf{F}	K	K::100.00(4)
P1	160	\mathbf{F}	R	R::100.00(4)
P1	161	\mathbf{F}	E	E::100.00(4)
P1	162	\mathbf{F}	T	T::100.00(3)
P1	163	F	T	T::100.00(3)
P1	164	F	R	R::66.67(2) H::33.33(1)
P1	165	\mathbf{F}	S	S::100.00(3)
P1	166	\mathbf{F}	A	A::100.00(3)
P1	167	\mathbf{F}	S	S::100.00(3)
P1	169	\mathbf{F}	\mathbf{C}	C::100.00(3)
P1	170	F	G	G::100.00(3)
P1	171	F	S	S::100.00(3)
P1	172	\mathbf{F}	P	P::66.67(2) Q::33.33(1)
P1	173	\mathbf{F}	Y	Y::100.00(3)
P1	174	F	S	S::100.00(4)
P1	175	\mathbf{F}	W	W::100.00(4)
P1	176	F	E	E::100.00(5)
P1	177	F		Q::100.00(5)
			Q	
P1	178	F	E	E::100.00(5)
P1	179	\mathbf{F}	L	L::100.00(5)
P1	180	\mathbf{F}	Q	Q::80.00(4) H::20.00(1)
P1	181	\mathbf{F}	H	H::100.00(5)
P1	182	\mathbf{F}	G	G::100.00(5)
P1	183	F	A	A::100.00(4)
P1	184	F	E	E::100.00(4)
P1	185	F	\mathbf{S}	S::100.00(4)
P1	187	\mathbf{F}	H	H::100.00(4)
P1	188	\mathbf{F}	Q	Q::100.00(3)
P1	189	\mathbf{F}	Q	Q::100.00(3)
P1	190	\mathbf{F}	S	S::100.00(3)
P1	191	F	S	S::100.00(3)
P1	192	F	G	G::100.00(3)
P1	193	F	I	I::100.00(3)
P1	194	\mathbf{F}	${ m L}$	L::100.00(3)
P1	195	F	S	S::100.00(3)
P1	196	\mathbf{F}	R	R::100.00(3)
P1	197	F	P	P::100.00(3)
1 1	101	1	1	1100.00(0)

P1	198	F	P	P::100.00(3)
P1	199	F	V	V::100.00(3)
P1	200	F	Ğ	G::100.00(3)
P1	200	F	S	S::100.00(3)
P1	202	F	S	S::100.00(2)
P1	202	F	L	L::100.00(2)
				` /
P1	204	F	Q	Q::100.00(2)
P1	205	F	S	S::100.00(2)
P1	206	F	K	K::100.00(2)
P1	207	F	Н	H::100.00(2)
P1	208	F	R	R::100.00(2)
P1	209	F	K	K::100.00(2)
P1	210	F	S	S::100.00(2)
P1	211	F	R	R::100.00(2)
P1	212	F	L	L::100.00(3)
P1	213	F	G	G::100.00(4)
P1	214	\mathbf{F}	${ m L}$	L::100.00(4)
P1	215	\mathbf{F}	Q	Q::100.00(4)
P1	216	F	S	S::100.00(4)
P1	217	F	Q	Q::100.00(4)
P1	218	\mathbf{F}	Q	Q::100.00(4)
P1	219	\mathbf{F}	G	G::100.00(4)
P1	220	\mathbf{F}	H	H::75.00(3) P::25.00(1)
P1	221	F	L	L::100.00(4)
P1	222	\mathbf{F}	A	A::100.00(4)
P1	223	\mathbf{F}	G	G::100.00(3)
P1	224	\mathbf{F}	R	R::100.00(3)
P1	225	\mathbf{F}	Q	Q::100.00(2)
P1	226	\mathbf{F}	Q	Q::100.00(2)
P1	227	\mathbf{F}	G	G::100.00(2)
P1	228	\mathbf{F}	R	R::100.00(2)
P1	229	\mathbf{F}	S	S::100.00(2)
P1	230	\mathbf{F}	W	W::100.00(2)
P1	231	\mathbf{F}	\mathbf{S}	S::100.00(2)
P1	232	\mathbf{F}	I	I::100.00(2)
P1	233	F	R	R::100.00(2)
P1	234	\mathbf{F}	A	A::100.00(2)
P1	235	F	G	G::100.00(2)
P1	236	F	I	I::100.00(2)
P1	237	F	H	H::100.00(2)
P1	238	F	P	P::100.00(2)
P1	239	F	T	T::100.00(2)
P1	240	F	A	A::100.00(2)
P1	241	F	R	R::100.00(2)
P1	242	F	R	R::100.00(2)
P1	242	F	P	P::100.00(2)
P1	245	F	G	G::100.00(2)
P1	$\frac{245}{246}$	F	V	V::100.00(2)
P1	240 247	F	v E	E::100.00(2)
P1		r F	P	` /
	248			P::100.00(2)
P1	249	F	S	S::100.00(2)

P1	250	\mathbf{F}	G	G::100.00(2)
P1	251	\mathbf{F}	\mathbf{S}	S::100.00(2)
P1	252	\mathbf{F}	\mathbf{G}	G::100.00(2)
P1	$252 \\ 253$	F	Н	H::100.00(2)
				· ·
P1	254	\mathbf{F}	${f T}$	T::100.00(2)
P1	255	\mathbf{F}	${ m T}$	T::100.00(2)
P1	256	\mathbf{F}	${ m H}$	H::100.00(2)
P1	257	\mathbf{F}	${ m R}$	R::100.00(2)
P1	258	\mathbf{F}	A	A::100.00(2)
P1	259	F	S	S::100.00(2)
P1	260	F	K	K::100.00(2)
P1	261	F	S	S::100.00(1)
S1	1	F	M	M::100.00(5)
S1	2	F	G	G::100.00(5)
S1	3	F	Q	Q::100.00(4)
S1	4	\mathbf{F}	N	N::100.00(4)
S1	5	\mathbf{F}	L	L::100.00(4)
S1	6	\mathbf{F}	\mathbf{S}	S::100.00(4)
S1	7	\mathbf{F}	${ m T}$	T::100.00(4)
S1	8	$\overline{\mathrm{F}}$	S	S::100.00(3)
S1	9	F	N	N::100.00(3)
S1	10	F	P	P::100.00(3)
S1	11	\mathbf{F}	${ m L}$	L::100.00(3)
S1	12	F	G	G::100.00(3)
S1	15	\mathbf{F}	P	P::100.00(3)
S1	16	\mathbf{F}	D	D::100.00(3)
S1	17	\mathbf{F}	${ m H}$	H::100.00(3)
S1	18	F	Q	Q::100.00(3)
S1		F		
	19		L	L::100.00(3)
S1	20	F	D	D::100.00(3)
S1	21	\mathbf{F}	P	P::100.00(2)
S1	22	F	A	A::100.00(2)
S1	24	\mathbf{F}	${ m R}$	R::100.00(2)
S1	25	F	A	A::100.00(2)
S1	26	\mathbf{F}	N	N::100.00(2)
S1	$\frac{1}{27}$	$\overline{\mathrm{F}}$	$\overline{\mathbf{T}}$	T::100.00(2)
S1	28	F	Å	A::100.00(2)
				` '
S1	29	F	N	N::100.00(2)
S1	30	\mathbf{F}	P	P::100.00(2)
S1	31	\mathbf{F}	D	D::100.00(3)
S1	32	\mathbf{F}	W	W::100.00(3)
S1	33	\mathbf{F}	D	D::100.00(4)
S1	35	\mathbf{F}	N	N::100.00(4)
S1	36	F	P	P::100.00(4)
S1	37	F		
			N	N::100.00(4)
S1	38	F	K	K::100.00(4)
S1	39	\mathbf{F}	D	D::100.00(4)
S1	40	\mathbf{F}	${ m T}$	T::75.00(3) P::25.00(1)
S1	41	\mathbf{F}	\mathbf{W}	W::100.00(4)
S1	42	\mathbf{F}	P	P::100.00(3)
S1	43	$\overline{\mathrm{F}}$	D	D::100.00(3)
~ 1	10		ı,	2200.00(0)

S1	44	F	A	A::100.00(2)
S1	45	F	N	N::100.00(2)
S1	46	F	K	K::100.00(2)
S1 S1	40 47	F	V	V::100.00(2)
S1 S1		F	v G	
	48			G::100.00(2)
S1	49	F	A	A::100.00(2)
S1	50	F	G	G::100.00(2)
S1	51	F	A	A::100.00(2)
S1	53	F	G	G::100.00(2)
S1	54	\mathbf{F}	P	P::100.00(2)
S1	55	\mathbf{F}	G	G::100.00(2)
S1	57	F	${ m T}$	T::100.00(2)
S1	58	\mathbf{F}	P	P::100.00(2)
S1	59	\mathbf{F}	P	P::100.00(2)
S1	60	\mathbf{F}	H	H::100.00(2)
S1	61	\mathbf{F}	G	G::100.00(2)
S1	62	\mathbf{F}	G	G::100.00(2)
S1	63	\mathbf{F}	${ m L}$	L::100.00(2)
S1	64	\mathbf{F}	${ m L}$	L::100.00(2)
S1	65	\mathbf{F}	G	G::100.00(2)
S1	66	\mathbf{F}	W	W::100.00(2)
S1	67	\mathbf{F}	\mathbf{S}	S::100.00(2)
S1	68	\mathbf{F}	P	P::100.00(2)
S1	69	\mathbf{F}	Q	Q::100.00(2)
S1	70	\mathbf{F}	A	A::100.00(2)
S1	71	\mathbf{F}	Q	Q::100.00(2)
S1	72	\mathbf{F}	G	G::100.00(2)
S1	73	\mathbf{F}	I	I::100.00(2)
S1	74	\mathbf{F}	${f L}$	L::100.00(2)
S1	75	\mathbf{F}	H	H::100.00(2)
S1	76	\mathbf{F}	${ m T}$	T::100.00(2)
S1	77	\mathbf{F}	V	V::100.00(2)
S1	78	\mathbf{F}	P	P::100.00(2)
S1	79	\mathbf{F}	A	A::100.00(2)
S1	80	F	N	N::100.00(2)
S1	81	F	P	P::100.00(1)
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	Meta data
Assembly file: Annotation file: Reference file:	HBV-RYD-14.sam /home3/vatt01s/Work/Project-150-HBV/Data/P150-1/Annotation/HBV.anno KX357637.fa.
User name Hostname Location Date/Time	ales01a Alpha /home2/ales01a/HBV/P150-5/HBV-RYD-14 Tue 19 Mar 10:56:34 GMT 2019