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	Sequence	
Health 1	LQRCAPPSLVRGPDPATLQDCPYSDCPFPIVPPCAPNPPATPGRAPAPVRVTRRPERRYQPREGGAPSRHQRWARRPSLRRVVARLPAPRPAPRPAPR............	98
Health 2	LQRCAPPSLVRGPDPATLQDCPYSDCPFPIVPPCAPNPPATPGRAPAPVRVTRRPERRYQPREGGAPSRHQRWARRPSLRRVVARLPAPRPAPRPAPR............	98
Patient A 1	LQRCAPPSLVRGPDPATLQDCPYSDCPFPIVPPCAPNPPATPGRAPAPVRVTRRPERRYQPREGGAPSRHQRWARRPSLRRVVARLPAPRPAPRPAPRPAPRPAPRPAPR	110
Patient A 2	LQRCAPPSLVRGPDPATLQDCPYSDCPFPIVPPCAPNPPATPGRAPAPVRVTRRPERRYQPREGGAPSRHQRWARRPSLRRVVARLPAPRPAPRPAPRPAPRPAPRPAPR	110
Patient B 1	LQRCAPPSLVRGPDPATLQDCPYSDCPFPIVPPCAPNPPATPGRAPAPVRVTRRPERRYQPREGGAPSRHQRWARRPSLRRVVARLPAPRPAPRPAPRPAPRPAPRPAPR	110
Patient B 2	LQRCAPPSLVRGPDPATLQDCPYSDCPFPIVPPCAPNPPATPGRAPAPVRVTRRPERRYQPREGGAPSRHQRWARRPSLRRVVARLPAPRPAPRPAPRPAPRPAPRPAPR	110
Patient C 1	LQRCAPPSLVRGPDPATLQDCPYSDCPFPIVPPCAPNPPATPGRAPAPVRVTRRPERRYQPREGGAPSRHQRWARRPSLRRVVARLPAPRPAPRPAPR............	98
Patient C 2	LQRCAPPSLVRGPDPATLQDCPYSDCPFPIVPPCAPNPPATPGRAPAPVRVTRRPERRYQPREGGAPSRHQRWARRPSLRRVVARLPAPRPAPRPAPR............	98
consensus	!!	

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	Sequence	
Health 1	....	98
Health 2	....	98
Patient A 1	PAPRPAPRPAPRPAPRPAPRPAPR......................PAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPA	200
Patient A 2	PAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPA	220
Patient B 1	PAPRPAPRPAPRPAPRPAPRPAPR.............PAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPA	208
Patient B 2	PAPRPAPRPAPRPAPRPAPRPAPR.......................PAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPA	188
Patient C 1	....	98
Patient C 2	....	98
consensus		

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	Sequence	
Health 1	....VPSCGATATPQGTPKPKCLLPAPWFRPRVT.PQRLLGLRSRRVPSPSPLARFPPSPPR.CAGRPPPRSRPPP	168
Health 2	....VPSCGATATPQGTPKPKCLLPAPWFRPRVT.PQRLLGLRSRRVPSPSPLARFPPSPPR.CAGRPPPRSRPPP	168
Patient A 1	PRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRVPSCGATATPQGTPKPKCLLPAPWFRPRVT.PQRLLGLRSRRVPSPSPLARFPPSPPR.CAGRPPPRSRPPP	308
Patient A 2	PRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRVPSCGATATPQGTPKPKCLLPAPWFRPRVT.PQRLLGLRSRRVPSPSPLARFPPSPPR.CAGRPPPRSRPPP	328
Patient B 1	PRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRVPSCGATATPQGTPKPKCLLPAPWFRPRVT.PQRLLGLRSRRVPSPSPLARFPPSPPR.CAGRPPPRSRPPP	316
Patient B 2	PRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRPAPRVPSCGATATPQGTPKPKCLLPAPWFRPRVT.PQRLLGLRSRRVPSPSPLARFPPSPPR.CAGRPPPRSRPPP	296
Patient C 1	....VPSCGATATPQGTPKPKCLLPAPWFRPRVT.PQRLLGLRSRRVPSPSPLARFPPSPPR.CAGRPPPRSRPPP	168
Patient C 2	....VPSCGATATPQGTPKPKCLLPAPWFRPRVT.PQRLLGLRSRRVPSPSPLARFPPSPPR.CAGRPPPQPATAE	168
consensus	!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!*******	

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	Sequence	
Health 1	RPSTSPT	175
Health 2	RPSTSPT	175
Patient A 1	RPSTSPT	315
Patient A 2	RPSTSPT	335
Patient B 1	RPSTSPT	323
Patient B 2	RPSTSPT	303
Patient C 1	RPSTSPT	175
Patient C 2	TQHIADQ	175
consensus	*******	