

A)

PER01	NKLKQP	1	1	1	2	1	1	1	1	2	2	1	2	1	2	2	2	2	GNGAGGQAAGGNAGGQGNNEGANAPNEKSVKEYLDKVRATVGTETWTPCSVTCGVGVRVRRRVNAANKKP		
PER02	.....	1	1	1	1	1	1	1	1	3	1	1	1	1	1	2	2	2	.....		
PER03	..V...	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	.....		
PER04	.....	1	1	1	2	1	1	1	1	2	2	1	2	1	2	1	6	2	2	2	.....
PER05	..V...	1	1	1	2	1	1	1	1	2	2	1	2	1	2	1	2	2	2	2	.....
PER06	.....	1	1	1	1	2	1	1	1	1	2	1	2	1	2	1	2	2	2	.DR.A.....	
PER07	.....	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	.....		
PER08	..V...	1	1	2	1	1	1	1	1	1	3	1	1	1	1	1	2	2	2	.....	
PER09	.....	1	1	1	2	1	1	1	1	2	2	1	2	1	2	2	2	2	2	.....	
PER10	.....	1	1	1	1	1	1	1	1	5	2	1	1	1	1	2	2	2	2	.....	
PER11	.....	1	1	1	1	1	1	1	1	1	2	1	2	1	2	1	2	2	2	.....	
PER12	.....	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	.....		
PER13	.....	1	1	1	2	1	1	1	1	1	4	1	2	1	2	1	2	2	2	.....	
PER14	.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.DR.A.....	
PER15	.....	1	1	1	1	2	1	1	1	1	2	2	1	2	1	2	1	2	2	.DR.A.....	
PER16	.....	1	1	2	1	1	2	1	1	1	1	2	2	1	2	1	2	2	2	.....	
PER17	.....	1	1	1	2	1	1	1	1	2	1	2	1	2	1	2	2	2	2	.....	
PER18	.....	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	2	2	2	.....	
PER19	.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.....	
PER20	.....	1	1	1	2	1	1	1	1	2	1	2	1	2	1	2	2	2	.DR.A.....		
PER21	.....	1	1	1	1	2	1	1	1	2	2	1	2	1	2	1	2	2	2	.DR.A.....	
PER22	.....	1	1	1	1	1	2	1	1	1	1	2	1	2	1	2	1	2	2	.DR.A.....	
PER23	.....	1	1	1	2	1	1	1	1	2	2	1	1	1	2	2	2	2	2	.....	

- 1 GDRADGQPA
- 2 GDRAAGQPA
- 3 GNRADGQPA
- 4 GDRAGGQPA
- 5 GDRAAGHPA
- 6 GDRAVGQPA

B)

PER24	NKLKQPEDGAGDQPG	11111121113131111	GDAGAGQGNNEGANAPNEKSVEYLDKVRTTVGTETWTPCSVTCGVGVRVRRRVYSANKKP
PER25	.....	311111121113131111	.....
PER26	.....	11111121111131111	.....

- 1 ANGAGNQPG
- 2 ANGADDQPG
- 3 ANGAGDQPG