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	(1)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	157
PA0127	(1)	CATAAA	TATGGCAAGT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY858	(1)	CATAAA	TATGGCAAGT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY460	(1)	TGTGAA	CAATCAACT	TGAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
PA0258	(1)	CGAAGT	TGCGATATGT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY053	(1)	ATATGT	ATCGCAAAATGT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY638	(1)	ACGATTTT	CGCTTCGTTT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY1073	(1)	GTATCT	ATGAGA	CCCTGTGAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY160	(1)	ACCGAA	ACGGAAGGGGT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY1020	(1)	TTTCAT	ATGATCAAT	TGAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY130	(1)	TATGTGA	AAAGTTTATCT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY571	(1)	CCTGGGT	CGCTTCGTTT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY641	(1)	TCATTTT	TAAATTAAT	GTGAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY787	(1)	GAACTAA	TAGATATGT	TGAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY734	(1)	CCCTTAG	TTAATAAT	CTGAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY255	(1)	TAAACAGCA	AAAGGGGAT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY980	(1)	TTTATT	TATATTACAT	TGAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA		
SLY949	(1)	CATAAC	CGGATAA	ACAGT	GAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA	
SLY683	(1)	TAATCG	ATAATAAT	TAT	TGAGGTGTTCCAAAAC	TTTGGACAA	CTTTTACTTTT	TAAAAAATCTTT	TAAAGATTAACT	TAATAGTTAGTCTTTTT	CTTTTCAAGACT	TAAAAAATAATTT	CATATCTTTT	CTAAAAATATTTT	TAGGAAGGAATAAA	

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	(1)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	174				
PA0316	(1)	TTT	TTCTAATTC	TGTATG	CTGGCTG	CTGAA	AAATTC	CGGACACTTTT	TATTTTAAAAA	TTCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC					
PA0723	(1)	CC	AAGCCAAAT	CTTTGTTAT	TGGACTGT	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAA	TTCTTTAAGACTGACTTATTT	TAGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC					
SLY1027	(1)	AAC	CAATTTTAACT	TC	AAAGGGT	TGGACTGT	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAA	TTCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC				
PA0815	(1)	TAA	TTT	TTTCTTTT	TAAATAGGCT	CTG	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAA	TTCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC				
PA0409	(1)	TT	TC	CAAAATTT	CAGGCTG	CTG	CTGAA	AAATTC	GGACACTTTT	TATTTTAAAAA	TTCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC				
PA0790	(1)	TTT	GTAAAG	GTATATAA	CTG	TGGCTG	CTG	CTGAA	AAATTC	GGACACTTTT	TATTTTAAAAA	TTCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC			
SLY558	(1)	CC	AAGCCAAAT	CTTTGTTAT	TGGACTGT	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAA	TTCTTTAAGACTGACTTATTT	TAGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC					
SLY256	(1)	TCT	GT	AAAA	CCC	TAA	GGGCT	TGG	CTG	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAA	TTCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC	

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	(1)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	173	
PA0316	(1)	TTTTTCTAATTC	TGTATG	TATG	CTGGCTG	CTG	CTGAA	AAATTC	CGGACACTTTT	TATTTTAAAAAATCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC		
PA0723	(1)	CC	AAGCCAAAT	CTTTGTTAT	TGGACTGT	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAAATCTTTAAGACTGACTTATTT	TAGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC			
SLY1027	(1)	AAC	CAATTTTAACT	TC	AAAGGGT	TGGACTGT	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAAATCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC		
PA0815	(1)	TAA	TTT	TTTCTTTT	TAAATAGGCT	CTG	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAAATCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC		
PA0409	(1)	TT	TC	CAAAATTT	CAGG	CTG	CTG	CTGAA	AAATTC	GGACACTTTT	TATTTTAAAAAATCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC	
PA0790	(1)	TTT	GTAAAG	GTATATAA	CTG	TGGCTG	CTG	CTG	CTGAA	AAATTC	GGACACTTTT	TATTTTAAAAAATCTTTAAGACTGACTTATTT	AGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC
SLY558	(1)	CC	AAGCCAAAT	CTTTGTTAT	TGGACTGT	AGAA	AAATTC	GGACACTTTT	TATTTTAAAAAATCTTTAAGACTGACTTATTT	TAGTCGGTCTTTTTTGTA	CCAAAAC	TAA	ATAATAATTTT	CTATCTTTT	CTAAAAAACGTTTTT	TAGAAAGGAGAAC			