

Identity	1	10	20	30	40	50	60		
B26	GATCGTCGCT	AGTGC	A	GAAA	CAAAGCCAGC	ACCTG TTCCT	G	TGACAGCGA	AGAAGGTTAG
LPCoLN	GATCGTCGCT	AGTGC	A	GAAA	CAAAGCCAGC	ACCTG TTCCT	G	TGACAGCGA	AGAAGGTTAG
GBF	GATCGTCGCT	AGTGC	A	GAAA	CAAAGCCAGC	ACCTG TTCCT	G	TGACAGCGA	AGAAGGTTAG
DE177	GATCGTCGCT	AGTGC	A	GAAA	CAAAGCCAGC	ACCTG TTCCT	G	TGACAGCGA	AGAAGGTTAG
N16	GATCGTCGCT	AGTGC	CGGAAA	CAAAGCCAGC	ACCTG TTCCT	ATGACAGCGA		AGAAGGTTAG	
AR39	GATCGTCGCT	AGTGC	CGGAAA	CAAAGCCAGC	ACCTG TTCCT	ATGACAGCGA		AGAAGGTTAG	
CWL029	GATCGTCGCT	AGTGC	CGGAAA	CAAAGCCAGC	ACCTG TTCCT	ATGACAGCGA		AGAAGGTTAG	
J138	GATCGTCGCT	AGTGC	CGGAAA	CAAAGCCAGC	ACCTG TTCCT	ATGACAGCGA		AGAAGGTTAG	
TW183	GATCGTCGCT	AGTGC	CGGAAA	CAAAGCCAGC	ACCTG TTCCT	ATGACAGCGA		AGAAGGTTAG	
IOL207	GATCGTCGCT	AGTGC	CGGAAA	CAAAGCCAGC	ACCTG TTCCT	ATGACAGCGA		AGAAGGTTAG	
LKK1	GATCGTCGCT	AGTGC	CGGAAA	CAAAGCCAGC	ACCTG TTCCT	ATGACAGCGA		AGAAGGTTAG	
Identity	70	80	90	100	110	120			
B26	ACTTG TCCGT	A	AAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA	
LPCoLN	ACTTG TCCGT	A	AAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA	
GBF	ACTTG TCCGT	A	AAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA	
DE177	ACTTG TCCGT	A	AAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA	
N16	ACTTG TCCGT	AGAAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA		
AR39	ACTTG TCCGT	AGAAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA		
CWL029	ACTTG TCCGT	AGAAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA		
J138	ACTTG TCCGT	AGAAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA		
TW183	ACTTG TCCGT	AGAAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA		
IOL207	ACTTG TCCGT	AGAAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA		
LKK1	ACTTG TCCGT	AGAAA	TAAAC	AACCAGTTGA	ACAAAAAAGC	CGTGGTGCTT	TTTGTGATAA		
Identity	130	140	150	160	170	180			
B26	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
LPCoLN	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
GBF	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
DE177	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
N16	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
AR39	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
CWL029	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
J138	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
TW183	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
IOL207	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
LKK1	AGAA TTTTAT	CCCTG TGAAG	AGGGACGATG	TCAACCTGTA	GAGGCTCAGC	AAGAGTCTTG			
Identity	190	200	210	220	230	240			
B26	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
LPCoLN	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
GBF	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
DE177	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
N16	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
AR39	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
CWL029	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
J138	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
TW183	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
IOL207	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			
LKK1	CTACGGAAGA	TTGTA TTCTG	TAAAAGTAAA	CGATGATTGC	AACGTAGAAA	TTTGCCAGTC			

	250	260	270	280	290	300
Identity						
B26	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
LPCoLN	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
GBF	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
DE177	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
N16	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTA T CCCTATT	GAAATCCTTG	CTATAGGCAA
AR39	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
CWL029	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
J138	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
TW183	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
IOL207	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA
LKK1	CGTTCCAGAA	TACGCTACTG	TAGGATCTCC	TTACCCTATT	GAAATCCTTG	CTATAGGCAA

	310	320	330	340	350	360
Identity						
B26	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
LPCoLN	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
GBF	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
DE177	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
N16	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
AR39	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
CWL029	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
J138	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
TW183	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
IOL207	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG
LKK1	AAAAGATTGT	GTTGATGTTG	TGATTACACA	ACAGCTACCT	TGCGAAGCTG	AATTCGTAAG

	370	380	386
Identity			
B26	CAGTGATCCA	GAAACAAC C C	CTACAA
LPCoLN	CAGTGATCCA	GAAACAAC C C	CTACAA
GBF	CAGTGATCCA	GAAACAAC C C	CTACAA
DE177	CAGTGATCCA	GAAACAAC T C	CTACAA
N16	CAGTGATCCA	GAAACAAC T C	CTACAA
AR39	CAGTGATCCA	GAAACAAC T C	CTACAA
CWL029	CAGTGATCCA	GAAACAAC T C	CTACAA
J138	CAGTGATCCA	GAAACAAC T C	CTACAA
TW183	CAGTGATCCA	GAAACAAC T C	CTACAA
IOL207	CAGTGATCCA	GAAACAAC T C	CTACAA
LKK1	CAGTGATCCA	GAAACAAC T C	CTACAA

