

	1	10	20	30	40	50
Identity						
B10	CTACGCTTCT	GGGATTAAGT	TTTTGGTTTC	TAAATGGTGT	ATCGATCCAT	
B37	CTACGCTTCT	GGGATTAAGT	TTTTGGTTTC	TAAATGGTGT	ATCGATCCAT	
LPCoLN	CTACGCTTCT	GGGATTAAGT	TTTTGGTTTC	TAAATGGTGT	ATCGATCCAT	
2040.3	CTACGCTTCT	GGGATTAAGT	TTTTGGTTTC	TAAATGGTGT	ATCGATCCAT	
GBF	CTACGCTTCT	GGGATTAAGT	TTTTGGTTTC	TAAATGGTGT	ATCGATCCAT	
DE177	CTACGCTTCT	GGGATTAAGT	TTTTGGTTTC	TAAATGGTGT	ATCGATCCAT	
N16	CTACGCTTCT	GGGATTAAGT	TTTTGGTTTC	TAAATGGTGT	ATCGATTTAT	
	60	70	80	90	100	
Identity						
B10	CAATGAAATT	AGAAGGTTTA	ATTTCTACAG	ATCATTCTGA	AGCATTATTT	
B37	CAATGAAATT	AGAAGGTTTA	ATTTCTACAG	ATCATTCTGA	AGCATTATTT	
LPCoLN	CAATGAAATT	AGAAGGTTTA	ATTTCTACAG	ATCATTCTGA	AGCATTATTT	
2040.3	CAATGAAATT	AGAAGGTTTA	ATTTCTACAG	ATCATTCTGA	AGCATTATTT	
GBF	CAATGAAATT	AGAAGGTTTA	ATTTCTACAG	ATCATTCTGA	AGCATTATTT	
DE177	CAATGAAATT	AGAAGGTTTA	ATTTCTACAG	ATCATTCTGA	AGCATTATTT	
N16	CAATGAAATT	AGAAG-----	-----	-----	-----	
	110	120	130	140	150	
Identity						
B10	AGAAATTAAGT	CGTTATCTTG	TTCTCTTACT	GGTAAGTCTA	TATCAGAAGC	
B37	AGAAATTAAGT	CGTTATCTTG	TTCTCTTACT	GGTAAGTCTA	TATCAGAAGC	
LPCoLN	AGAAATTAAGT	CGTTATCTTG	TTCTCTTACT	GGTAAGTCTA	TATCAGAAGC	
2040.3	AGAAATTAAGT	CGTTATCTTG	TTCTCTTACT	GGTAAGTCTA	TATCAGAAGC	
GBF	AGAAATTAAGT	CGTTATCTTG	TTCTCTTACT	GGTAAGTCTA	TATCAGAAGC	
DE177	AGAAATTAAGT	CGTTATCTTG	TTCTCTTACT	GGTAAGTCTA	TATCAGAAGC	
N16	-----	-----	-----	-----	-----	
	160	170	180	190	200	
Identity						
B10	TTCTAAACAA	GCTAGAGCAG	CTTGTTATAT	TTCTTTTACC	AAATTTTTTAT	
B37	TTCTAAACAA	GCTAGAGCAG	CTTGTTATAT	TTCTTTTACC	AAATTTTTTAT	
LPCoLN	TTCTAAACAA	GCTAGAGCAG	CTTGTTATAT	TTCTTTTACC	AAATTTTTTAT	
2040.3	TTCTAAACAA	GCTAGAGCAG	CTTGTTATAT	TTCTTTTACC	AAATTTTTTAT	
GBF	TTCTAAACAA	GCTAGAGCAG	CTTGTTATAT	TTCTTTTACC	AAATTTTTTAT	
DE177	TTCTAAACAA	GCTAGAGCAG	CTTGTTATAT	TTCTTTTACC	AAATTTTTTAT	
N16	-----	-----	-----	-----	-----	

	210	220	230	240	250
Identity					
B10	A T C G C T T A A C	C A A A G G T G T T	G T T A G A C A A G	C T T C T C C A A T	T A G G G A C T T T
B37	A T C G C T T A A C	C A A A G G T G T T	G T T A G A C A A G	C T T C T C C A A T	T A G G G A C T T T
LPCoLN	A T C G C T T A A C	C A A A G G T G T T	G T T A G A C A A G	C T T C T C C A A T	T A G G G A C T T T
2040.3	A T C G C T T A A C	C A A A G G T G T T	G T T A G A C A A G	C T T C T C C A A T	T A G G G A C T T T
GBF	A T C G C T T A A C	C A A A G G T G T T	G T T A G A C A A G	C T T C T C C A A T	T A G G G A C T T T
DE177	A T C G C T T A A C	C A A A G G T G T T	G T T A G A C A A G	C T T C T C C A A T	T A G G G A C T T T
N16	- - - - -	- - - - -	- - - - -	C T T C T C C A A T	T A G G G A C T T T

	260	270	280	290	300
Identity					
B10	G G C A A C G C A A	C A T T T T A T A A	A A T C C G A G A C	A A A G T A A A G A	C G G A G T T T A T
B37	G G C A A C G C A A	C A T T T T A T A A	A A T C C G A G A C	A A A G T A A A G A	C G G A G T T T A T
LPCoLN	G G C A A C G C A A	C A T T T T A T A A	A A T C C G A G A C	A A A G T A A A G A	C G G A G T T T A T
2040.3	G G C A A C G C A A	C A T T T T A T A A	A A T C C G A G A C	A A A G T A A A G A	C G G A G T T T A T
GBF	G G C A A C G C A A	C A T T T T A T A A	A A T C C G A G A C	A A A G T A A A G A	C G G A G T T T A T
DE177	G G C A A C G C A A	C A T T T T A T A A	A A T C C G A G A C	A A A G T A A A G A	C G G A G T T T A T
N16	G G C A A T G C A A	C A T T T T A T A A	A A T C C G A G A C	A A A G T A A G G A	C G G A G T T T A T

	310	320	330	340	350
Identity					
B10	T T C T A A A C G A	G A G T G G C T A T	T G T T T T T T G A	T T C T T T A A A A	A A A A G A A G C T
B37	T T C T A A A C G A	G A G T G G C T A T	T G T T T T T T G A	T T C T T T A A A A	A A A A G A A G C T
LPCoLN	T T C T A A A C G A	G A G T G G C T A T	T G T T T T T T G A	T T C T T T A A A A	A A A A G A A G C T
2040.3	T T C T A A A C G A	G A G T G G C T A T	T G T T T T T T G A	T T C T T T A A A A	A A A A G A A G C T
GBF	T T C T A A A C G A	G A G T G G C T A T	T G T T T T T T G A	T T C T T T A A A A	A A A A G A A G C T
DE177	T T C T A A A C G A	G A G T G G C T A T	T G T T T T T T G A	T T C T T T A A A A	A A A A G A A G C T
N16	T T C T A A A C G A	G A G T A G C T A T	T G T T T T T T G A	T T C T T T A A A A	A A A A G A A G C T

	360	369
Identity		
B10	A C A G A G A T T A	T T T G A T T G G
B37	A C A G A G A T T A	T T T G A T T G G
LPCoLN	A C A G A G A T T A	T T T G A T T G G
2040.3	A C A G A G A T T A	T T T G A T T G G
GBF	A C A G A G A T T A	T T T G A T T G G
DE177	A C A G A G A T T A	T T T G A T T G G
N16	A C A G A G A T T A	T T T G A T T G G

