

	10	20	30	40	50	60	70	80	90	100	
COX2.1	ATGTTTAGAA	CAAAATCAGT	TAAGGAAACA	AATGTAAATA	AAGAATTGGA	TTTGAGCCC	ATTGCTTCTT	TCACTAAGTA	ATAATTACT	TTAAAAATT	COX2.1
COX2.2				G.							COX2.2
COX2.3				G.							COX2.3
COX2.4				G.							COX2.4
COX2.5				G.							COX2.5
COX2.6				G.			T				COX2.6
COX2.7				G.							COX2.7
COX2.8				G.							COX2.8
COX2.9				G.				G.			COX2.9
COX2.Dugway_5J108-111				G.							COX2.Dugway_5J108-111

	110	120	130	140	150	160	170	180	190	200	
COX2.1	TTTATTGACC	GCTTAAATAC	TCTAAATAAT	TTTATATTTC	AGCAATTCTA	ATTTGACTC	TTACAGTTCC	GTTATTCCCG	CGCAGGCGGG	AATGACGAAC	COX2.1
COX2.2		G									COX2.2
COX2.3								C			COX2.3
COX2.4											COX2.4
COX2.5											COX2.5
COX2.6								C			COX2.6
COX2.7	T							C			COX2.7
COX2.8											COX2.8
COX2.9											COX2.9
COX2.Dugway_5J108-111											COX2.Dugway_5J108-111

	210	220	230	240	250	260	270	280	290	300	
COX2.1	TTAAAATFAG	AATTACTGCC	TTTTTTGGTT	TCTTTACATT	GCAAGAAAGA	TTAGATAAAA	TAAATACCTA	TAATTAAGGA	AGATTTAACG	TTTCGAAAAC	COX2.1
COX2.2											COX2.2
COX2.3											COX2.3
COX2.4				G.							COX2.4
COX2.5											COX2.5
COX2.6											COX2.6
COX2.7											COX2.7
COX2.8											COX2.8
COX2.9						G.					COX2.9
COX2.Dugway_5J108-111											COX2.Dugway_5J108-111

	310	320	330	340	350	360		
COX2.1	CTAGAAAGGC	GAGCAGCCAT	GGGAACGAAT	CAA-----	ACGAAACA	GAGAGAACT	CAACC	COX2.1
COX2.2				..-----				COX2.2
COX2.3				..-----				COX2.3
COX2.4				..ACGAATC	AA			COX2.4
COX2.5				..-----				COX2.5
COX2.6				..-----				COX2.6
COX2.7				..-----				COX2.7
COX2.8				..-----				COX2.8
COX2.9				..-----				COX2.9
COX2.Dugway_5J108-111				-----				COX2.Dugway_5J108-111

	10	20	30	40	50	60	70	80	90	100	
COX5.1	AAAACGCTCT	CCGAGGTGTT	TGCTGGTTTG	AATAAATATT	TTAGATAATG	ATGATGTGAG	TTTGTCTCTAG	TAATTTCCGA	CTGATATGCT	TAACATAAGC	COX5.1
COX5.2								G			COX5.2
COX5.3								G			COX5.3
COX5.4								G			COX5.4
COX5.5								G			COX5.5
COX5.6								G			COX5.6
COX5.7								G		T	COX5.7
COX5.8								G			COX5.8
COX5.Dugway 5J108-111								G			COX5.Dugway 5J108-111

[illegible]

	210	220	230	240	250	260	270	280	290	300	
COX5.1	CTCTCCGCGA	GCGGGGAGGG	GAATAAGCGGA	AGGAGGCATT	GAGGATTAT	ACAACTCCTT	TT-AGTGCCA	TCCAAAGTTCT	TTTTTCTGAA	ACACTATCAA	COX5.1
COX5.2	.....	.....	.....	.....	.....	.....	T.....	.....	.....	.....	COX5.2
COX5.3	.....	.....	.....	.....	.....	.....	T.....	.....	.....	.....	COX5.3
COX5.4	.....	.....	.....	.....	.....	.....	T.....	.....	.....	.....	COX5.4
COX5.5	.....	.....	.....	.....	.....	.....	T.....G	.....	.....	.....	COX5.5
COX5.6	.....	.....	.....	.....	.....	.....	T.....	.....	.....	.....	COX5.6
COX5.7	.....	.....	.....	.....	.....	.....	T.....	.....	.....	.....	COX5.7
COX5.8	.....	.....	.....	.....	.....	.....	T.....	.....	.....	.....	COX5.8
COX5.Dugway_5J108-111	C	T.....	.....	.....	.....	.....	T.....	.....	.....	.....	COX5.Dugway_5J108-111

	310	320	330	340	350	360		
COX5.1	G G T T G G G A T C	G A T A T G T T A A	C A A C A C G A T T	A A A A A T T A T T	C T T T C A A T C A	T C T C G C T T T C	TTT GTT	COX5.1
COX5.2	 G .				T C A A T C A			COX5.2
COX5.3	 G .							COX5.3
COX5.4	 G .							COX5.4
COX5.5	 G .							COX5.5
COX5.6	 G .							COX5.6
COX5.7	 G .							COX5.7
COX5.8	 G .							COX5.8
COX5.Dugway_5J108-111	 G .							COX5.Dugway_5J108-111

	10	20	30	40	50	60	70	80	90	100		
COX18.1	GTGGCATTGA	CGAAGTTT	TG	AGAGGGGAG	TGCAGTAGTT	ATACCCCTAT	CAAAAATTTA	AAGCCCGTCG	TTCCGCGCAG	ACGCATAGGC	GTCAACTTAA	COX18.1
COX18.2	.....	.....	C	G	.....	.....	A	.....	.....	.....	.....	COX18.2
COX18.3	.....	.....	C	G	.....	.....	A	.....	.....	.....	.....	COX18.3
COX18.4	.....	.....	C	.....	.....	.....	A	.....	.....	.....	.....	COX18.4
COX18.5	.....	.....	.....	.....	.....	.....	A	.....	.....	.....	.....	COX18.5
COX18.6	.....	.....	.....	.....	.....	.....	A	.....	.....	.....	.....	COX18.6
COX18.7	.....	.....	.....	.....	.....	.....	C	A	.....	.....	.....	COX18.7
COX18.8	.....	.....	C	G	.....	.....	A	.....	.....	.....	.....	COX18.8
COX18.9	.....	.....	C	G	.....	.....	A	.....	.....	.....	.....	COX18.9
COX18.10	.....	.....	C	G	.....	.....	A	.....	.....	.....	.....	COX18.10
COX18.Dugway_5J108-111	.....	.....	C	.....	.....	.....	A	.....	A	.....	.....	COX18.Dugway_5J108-111

	110	120	130	140	150	160	170	180	190	200	
COX18.1	AGAGAGCGAG	GTAAGAGGC	AATATCAAGT	AGTTGAAAA	ATATCCGTCG	TTCCCGTGAC	TTCCGGCGTG	AAGGTTTTGT	ATGCTTCAAT	ACTACAGCAG	COX18.1
COX18.2	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.2
COX18.3	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.3
COX18.4	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.4
COX18.5	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.5
COX18.6	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.6
COX18.7	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.7
COX18.8	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.8
COX18.9	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.9
COX18.10	.....	.....	.....	.....	.....	.....	C	.....	.....	.....	COX18.10
COX18.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	C	.....	.....	G	COX18.Dugway_5J108-111

	210	220	230	240	250	260	270	280	290	300	
COX18.1	ACGGCCTCGC	GGGAGGACGA	CGGGTTTTAA	GTTTTTCACG	CTTCACCATG	GGTGGGTAAT	ATTAGGATCC	GTGGTAAGCT	TTGAAAGGAG	CAAGGCGAAA	COX18.1
COX18.2	.....	.....	.....	.....	.....	.....	T	.....	.....	.....	COX18.2
COX18.3	.....	.....	.....	.....	.....	.....	T	.....	.....	.....	COX18.3
COX18.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.4
COX18.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.5
COX18.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.6
COX18.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.7
COX18.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.8
COX18.9	.....	.....	.....	.....	.....	.....	T	.....	.....	.....	COX18.9
COX18.10	.....	.....	.....	C	.....	.....	T	.....	.....	.....	COX18.10
COX18.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.Dugway_5J108-111

	310	320	330	340	350	360	370	380	390	400	
COX18.1	GAGGGCATCA	ACTTACAGTC	ATTAGAGTTT	TATGCTTAAG	TTGGCGCTTC	TGTGATTGTG	TTGGAATAAC	GAAGGCCAAA	AAAGGGAGGC	GCTGGGAGTT	COX18.1
COX18.2	.....	.....	.....	.....	.....	A	.....	.....	.....	.....	COX18.2
COX18.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.3
COX18.4	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.4
COX18.5	.....	.....	.....	.....	.....	.....	.....	T	.....	.....	COX18.5
COX18.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.6
COX18.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.7
COX18.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.8
COX18.9	.....	.....	.....	.....	.....	A	.....	.....	.....	.....	COX18.9
COX18.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.10
COX18.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.Dugway_5J108-111

	410	420	430	440	450	460	470	480	490	500	
COX18.1	TTTACTACCC	TTACTTGATT	TAAACCGAGA	CATCTTTT	AAGCACTATT	AATTTTGGG	GAACTTAATG	CGGCAATCG	TTTTAGATAC	GGAAACCA	COX18.1
COX18.2	.....	.....	.....	.....	C	.....	.....	.....	.....	.....	COX18.2
COX18.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.3
COX18.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.4
COX18.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.5
COX18.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.6
COX18.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.7
COX18.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.8
COX18.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.9
COX18.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.10
COX18.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX18.Dugway_5J108-111

	510		
COX18.1	GGCCTTGTGC	CGGAAG	COX18.1
COX18.2	.....	.....	COX18.2
COX18.3	.....	.....	COX18.3
COX18.4	.....	.....	COX18.4
COX18.5	.....	.....	COX18.5
COX18.6	.....	.....	COX18.6
COX18.7	.....	.....	COX18.7
COX18.8	.....	.....	COX18.8
COX18.9	.....	.....	COX18.9
COX18.10	.....	.....	COX18.10
COX18.Dugway_5J108-111	.....	.....	COX18.Dugway_5J108-111

[illegible]

	10	20	30	40	50	60	70	80	90	100	
COX22.1	TGAGGTTTAG	AATCAACGAC	AGTGGGTGAA	TAGATTACGC	CTTCCATTAT	TGATTTATTG	CCAAGAGGGG	TGCTGTCGGG	TGGTGCTCCC	CTGTAGTGCG	COX22.1
COX22.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.2
COX22.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.....	COX22.3
COX22.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.....	COX22.4
COX22.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.....	COX22.5
COX22.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.6
COX22.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.7
COX22.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.8
COX22.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.Dugway_5J108-111

	110	120	130	140	150	160	170	180	190	200	
COX22.1	GAGAAAATAT	TGAACGAAAA	TTACATAAGG	CGTTAAACCA	CTGTATTTCGT	TGTTGTTGAT	TCATAATCGT	ATTCCTCAGC	TATCACTCAC	TTTTTGCTTA	COX22.1
COX22.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.2
COX22.3	.....	C.....	.....	TG.....	.....	.....	.....	A.....	.....	.....	COX22.3
COX22.4	.....	C.....	.....	T.....	.....	.....	T.....	.....	.....	.....	COX22.4
COX22.5	.....	C.....	.....	T.....	.....	.....	.....	.....	.....	.....	COX22.5
COX22.6	.....	C.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.6
COX22.7	.....	C.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.7
COX22.8	.....	C.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.8
COX22.Dugway_5J108-111	.....	C.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.Dugway_5J108-111

	210	220	230	240	250	260	270	280	290	300	
COX22.1	GCGCTAACCA	TTAACAATGT	CTATATTTTA	CACAGATCCA	GGTTCGGTTT	GAAGGACTGG	TTTGTCGTAT	TTCGCTCGCG	TATGGGCTGC	CATTTATGCG	COX22.1
COX22.2	.....	T.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.2
COX22.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.3
COX22.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.4
COX22.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.5
COX22.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.6
COX22.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	A.....	COX22.7
COX22.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.8
COX22.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX22.Dugway_5J108-111

	310	320	330	340	
COX22.1	CTCGCT-CTG	AATCGACAGA	GTCTAGTGTA	TTGGCTTGAT	G
COX22.2	T.....	.....	.....	.....	.....
COX22.3	T.....	.....	.....	.....	.....
COX22.4	T.....	.....	.....	.....	.....
COX22.5	T.....	.....	.....	.....	.....
COX22.6	T.....	.....	.....	.....	.....
COX22.7	T.....	.....	.....	.....	.....
COX22.8	T.....	.....	.....	.....	.....
COX22.Dugway_5J108-111	T.....	.....	.....	.....	.....

	10	20	30	40	50	60	70	80	90	100	
COX37.1	AAACTTTACA	GCTTGGTAGC	CTTGGATTTC	CTCTATTTTGG	GAATCGGAAT	TAACTTTCTG	TTCATTACTT	CGCATATTAT	TTTTCTCCAA	TTGAAGTTAC	COX37.1
COX37.2					A.....	.....	.....	.....	.....	T.....	COX37.2
COX37.3					A.....	.....	.....	.....	.....	T.....	COX37.3
COX37.4										T.....	COX37.4
COX37.5					A.....	.....	.....	.....	.....	T.....	COX37.5
COX37.6					A.....	.....	.....	.....	.....	T.....	COX37.6
COX37.7			A.....	.....	A.....	.....	.....	.....	.....	T.....	COX37.7
COX37.8					A.....	.....	.....	.....	.....	T.....	COX37.8
COX37.9										T.....	COX37.9
COX37.Dugway_5J108-111										T.....	COX37.Dugway_5J108-111

	110	120	130	140	150	160	170	180	190	200	
COX37.1	CGCCACGGGG	TTATCAGTTC	CAAGGGCTCA	CTCAGGTATA	ATGTCAGTAG	TGTATTATCA	GGAAATTTCT	GGTTAAACCT	TTCAAGGAGG	TAAATGAAG	COX37.1
COX37.2											COX37.2
COX37.3			T.....	.....	.....	.....	.....	.....	.....	.....	COX37.3
COX37.4											COX37.4
COX37.5											COX37.5
COX37.6											COX37.6
COX37.7											COX37.7
COX37.8											COX37.8
COX37.9									C.....	.....	COX37.9
COX37.Dugway_5J108-111											COX37.Dugway_5J108-111

	210	220	230	240	250	260	270	280	290	300	
COX37.1	CTTTAGATTA	AAAGCTCCCA	GATAAACTTA	AAGAGGGGTT	AAGTCGAGTA	TATAAGTTGA	ATCCGAATTA	ATTTTCACC	CAGCATCATC	GCTTACAATG	COX37.1
COX37.2											COX37.2
COX37.3				C.....	.....	.....	.....	.....	.....	.....	COX37.3
COX37.4											COX37.4
COX37.5											COX37.5
COX37.6											COX37.6
COX37.7											COX37.7
COX37.8			T.....	.....	.....	.....	.....	.....	.....	.....	COX37.8
COX37.9											COX37.9
COX37.Dugway_5J108-111											COX37.Dugway_5J108-111

	310	320	330	340	350	360	370	380	390	400	
COX37.1	GCGAGGTCAA	CATTAAAACC	ATGCGACAAA	ATACTTTCAA	CCAAGGCTTC	TTCCGTCGCA	ATTCTGCAAT	GATGAGAACT	AATAATATCC	AGAGTCTTTA	COX37.1
COX37.2						---					COX37.2
COX37.3						---					COX37.3
COX37.4						---					COX37.4
COX37.5						---					COX37.5
COX37.6						---					COX37.6
COX37.7											COX37.7
COX37.8											COX37.8
COX37.9											COX37.9
COX37.Dugway_5J108-111											COX37.Dugway_5J108-111

	410	420		
COX37.1	AATGGGGTTG	CCAAGCTTCT	TT	COX37.1
COX37.2			..	COX37.2
COX37.3			..	COX37.3
COX37.4			..	COX37.4
COX37.5			..	COX37.5
COX37.6			..	COX37.6
COX37.7			..	COX37.7
COX37.8			..	COX37.8
COX37.9			..	COX37.9
COX37.Dugway_5J108-111			..	COX37.Dugway_5J108-111

	10	20	30	40	50	60	70	80	90	100	
COX51.1	TTCAAAAAAA	TTATTTCGAAA	AATACAGCAG	CTCTCAAGTT	GAGAGAATAG	TGGGTTTTC	TAATTTTTC	TAATATTTCGT	ACGATAAATT	AAGTAATTGT	COX51.1
COX51.2	.....	.....	.....	.....	.....	.....	.....G	C	.....	.....	COX51.2
COX51.3	.....	.....	.....	.....	.....	.....	.....C..G	C	.....	.....	COX51.3
COX51.4	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.4
COX51.5	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.5
COX51.6	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.6
COX51.7	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.7
COX51.8	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.8
COX51.9	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.9
COX51.10	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.10
COX51.11	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.11
COX51.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	C	.....	.....	COX51.Dugway_5J108-111

	110	120	130	140	150	160	170	180	190	200	
COX51.1	GAGTGAGTGC	CGGCATTAAA	AACAATTTC	TTTTCTTCGC	TCAACTCTTT	GGAAAGGTAA	ACTTTCATAT	CGAATAAATT	GCCAAA-GGT	GGCATTGCC	COX51.1
COX51.2	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.2
COX51.3	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.3
COX51.4	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.4
COX51.5	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.5
COX51.6	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.6
COX51.7	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.7
COX51.8	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.8
COX51.9	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.9
COX51.10	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.10
COX51.11	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.11
COX51.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.Dugway_5J108-111

	210	220	230	240	250	260	270	280	290	300	
COX51.1	CTAATTACACA	GCGGGGAAAT	CGTTCTTGAA	ATTTCGTATTC	GCTGGCTAAT	TCCGCTTTAT	GGGCTCCAGT	TTTTTGTTTT	AATTATACAA	AGTCGACTTT	COX51.1
COX51.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.2
COX51.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.3
COX51.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.4
COX51.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.5
COX51.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.6
COX51.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.7
COX51.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.8
COX51.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.9
COX51.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.10
COX51.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.11
COX51.Dugway_5J108-111	G.....T	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.Dugway_5J108-111

	310	320	330	340	350	360	370	380	390	400	
COX51.1	ATCATCGCCC	GGTAGCACCA	CCATTGCGAG	CTTATCATCG	ATTTAGCAA	TAACACATT	CGCTAGCTTT	TTAGCAGATA	CGTGTGAAAT	TTCCGCAATT	COX51.1
COX51.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.2
COX51.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.3
COX51.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.4
COX51.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.5
COX51.6	.....	.....	.....	.....	.....	A	.....	.....	.....	.....	COX51.6
COX51.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.7
COX51.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.8
COX51.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.9
COX51.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.10
COX51.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.11
COX51.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.Dugway_5J108-111

	410	420	430	440	450	460	470	480	490	500	
COX51.1	TCTTGGGCAG	TATAAGCTGG	AGAATGATTA	ATAGTGACAT	ATTTCACTTT	GTTTTATCG	AGAAATTCTT	TCAATTTTTC	AAGCGGCATA	CGAAACCTCC	COX51.1
COX51.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.2
COX51.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.3
COX51.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.4
COX51.5	.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.5
COX51.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.6
COX51.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.7
COX51.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.8
COX51.9	C.....	.....	.....	.....	.....	.....	.....	.....	A	.....	COX51.9
COX51.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.10
COX51.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.11
COX51.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.Dugway_5J108-111

	510	520	530	540	550	560	570	580	590	600	
COX51.1	CGACTTATCC	CGTCTCTATA	TAGAGAATTA	TAGCTCATTA	GGAAAAATAGC	AATAACCTTG	AAAAGCCCAT	CAGGCGTGCC	TTTTCAAGGC	CCCATTGACG	COX51.1
COX51.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.2
COX51.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.3
COX51.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.4
COX51.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.5
COX51.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.6
COX51.7	.....	.....	.....	.....	.....	.....	.....	.....	T	.....	COX51.7
COX51.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.8
COX51.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.9
COX51.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.10
COX51.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.11
COX51.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX51.Dugway_5J108-111

	610	620	630	
COX51.1	CCTAACAGCT	CCCGCATTTT	GGCTTGAATC	ATTTC
COX51.2	.....	.....	.....	.....
COX51.3	.....	.....	.....	.....
COX51.4	.....	.....	.....	.....
COX51.5	.....	.....	.....	.....
COX51.6	.....	.....	.....	.....
COX51.7	.....	.....	.....	.....
COX51.8	.....	.....	.....	.....
COX51.9	.....	.....	.....	.....
COX51.10	.....	.....	.....	.....
COX51.11	.....	.....	.....	.....
COX51.Dugway_5J108-111	.....	.....	.....	.....

[illegible]

	10	20	30	40	50	60	70	80	90	100	
COX57.1	TGGAAATGGA	AGGCGGATTC	AAAACCTGGA	CCGAGCACAA	ACTTGAAACC	GAGAAATCAT	ATTGACTTAG	CCCCCAACCT	CAAGCACTAT	AAGCCCTCTG	COX57.1
COX57.2	.....	.....	.....	.....	.....	G.....	.....	A.....	.....	C.....	COX57.2
COX57.3	.....	.....	.....	.....	.....	G.....	.....	.....	.....	.....	COX57.3
COX57.4	.....	.....	.....	.....	.....	G.....	.....	.....	.....	C.....	COX57.4
COX57.5	.....	.....	.....	.....	.....	G.....	.....	.....	.....	C.....	COX57.5
COX57.6	.....	.....	.....	.....	.....	G.....	.....	.....	.....	.....	COX57.6
COX57.7	.....	.....	.....	.....	.....	G.....	.....	.....	.....	.....	COX57.7
COX57.8	-----	-----	.....	.....	.....	.....	.....	.....	.....	.....	COX57.8
COX57.9	.....	.....	.....	.....	.....	G.....	.....	.....	.....	C.....	COX57.9
COX57.10	-----	-----	.....	.....	.....	G.....	.....	.....	.....	.....	COX57.10
COX57.Dugway_5J108-111	.....	.....	.....	.....	.....	G.....	.....	.....	.....	C.....	COX57.Dugway_5J108-111

	110	120	130	140	150	160	170	180	190	200	
COX57.1	GGCGGCCAGA	TAGCTCAGTC	GGTAGAGCAG	AGGACTGAAA	ATCCTCGTGT	CGGCAGTTGC	ATTCTGCCTC	TGGCCACCAT	GAAATCAAAC	ACTTACCAAT	COX57.1
COX57.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.2
COX57.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.3
COX57.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.4
COX57.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.5
COX57.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.6
COX57.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.7
COX57.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.8
COX57.9	.....	.....	.....	.....	.....	.....	.....	.....	A.....	.....	COX57.9
COX57.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.10
COX57.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.Dugway_5J108-111

	210	220	230	240	250	260	270	280	290	300	
COX57.1	TTTACCAGTT	GGTTAAATTT	TGCCCTTTTG	GGCGTTTTGT	GGAACGACAA	CTGTGCATCA	CGCTTCACCA	AACTTAAACG	TTGGACTACT	ATTACTTGTC	COX57.1
COX57.2	T.....	A.C.....	A.....G.....	G.....G.....	.....	.....	.....	.....	.....	.....	COX57.2
COX57.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.3
COX57.4	T.....	A.C.....	A.....G.....	.....	.....	.....	.....	.....	.....	.....	COX57.4
COX57.5	.....	.....A.C.....	A.....G.....	.....	.....	.....	.....	.....	.....	.....	COX57.5
COX57.6	.....	.....C.....	A.....G.....	.....	.....	.....	.....	.....	.....	.....	COX57.6
COX57.7	.....	.....C.....	A.....G.....	.....	.....	.....	.....	.....	.....	.....	COX57.7
COX57.8	.....	.....	.....A.....G.....	.....	.....	.....	.....	.....	.....	.....	COX57.8
COX57.9	.....	.....A.C.....	A.....G.....	.....	.....	.....	.....	.....	.....	.....	COX57.9
COX57.10	.....	.....C.....	G.....G.....	.....	.....	.....	.....	.....	.....	.....	COX57.10
COX57.Dugway_5J108-111	.....	.....C.....	A.....G.....	.....	.....	.....	.....	.....	.....	.....	COX57.Dugway_5J108-111

	310	320	330	340	350	360	370	380	390	400	
COX57.1	GGATAACAAG	CTTTATTGTC	CGACTTGATT	AGGATTATCT	CTATTTAAAT	TACCGATTAA	AATTAAAGAT	ATCTGACTAA	CTGATTAGCA	AATTT-AACA	COX57.1
COX57.2	.....	.....	.....A.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.2
COX57.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.3
COX57.4	.....	.....	.....A.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.4
COX57.5	.....	.....	.....A.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.5
COX57.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.6
COX57.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.7
COX57.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.8
COX57.9	.....	.....	.....A.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.9
COX57.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.10
COX57.Dugway_5J108-111	.....	.....	.....A.....	.....	.....	.....	.....	.....	.....	.....T.....	COX57.Dugway_5J108-111

	410	420	430	440	450	460	470	480	490	500	
COX57.1	TTTCAAAATA	ATACTTATAA	TCTATTTCCA	AATCGCTATT	ACTTGATATT	TAAGTCTAAA	ACAGATGATA	AAAAATTAAT	TTAAAAATCA	CTAAAAAGTG	COX57.1
COX57.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.2
COX57.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.3
COX57.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.4
COX57.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.5
COX57.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.6
COX57.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.7
COX57.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.8
COX57.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.9
COX57.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.10
COX57.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.Dugway_5J108-111

	510	520	530	540	550	560	570	580	590	600	
COX57.1	ACAAATTATA	AAAATTGATT	TTAAAAATAA	TTTTTACAAA	CTAGCACTAA	CGAGTATAAT	TTTGATAAAT	AATAATAAAT	ACCGCCAAAG	GCTTACGCCT	COX57.1
COX57.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.2
COX57.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.3
COX57.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.4
COX57.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.5
COX57.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.6
COX57.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	COX57.7
COX57.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	-----	COX57.8
COX57.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	-----	COX57.9
COX57.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	-----	COX57.10
COX57.Dugway_5J108-111	.....	.....	.....	.....	.....	.....	.....	.....	.....	-----	COX57.Dugway_5J108-111

COX57.1	T.....	TCCACC	COX57.1
COX57.2	.....	.....	COX57.2
COX57.3	.....	.....	COX57.3
COX57.4	.....	.....	COX57.4
COX57.5	.....	.....	COX57.5
COX57.6	.....	.....	COX57.6
COX57.7	.....	.....	COX57.7
COX57.8	-----	.....	COX57.8
COX57.9	.....	.....	COX57.9
COX57.10	-----	.....	COX57.10
COX57.Dugway_5J108-111	.....	.....	COX57.Dugway_5J108-111

