

				111	111	111	122	222	222	223	333	333	333	444	444	444	455	555	555	556	666	666	666	777	777	777	
	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678	
AN (AK)	---	---	---	---	---	---	---	--T	CAC	ACA	TCA	CTT	GAG	GCC	TAC	---	---	---	---	--C	---	---	---	---	---	---	
AN (NK)	---	---	---	---	---	---	---	---	...	...	...	...	...	...	...	---	---	---	---	---	---	---	---	---	---	---
AN (KT)	---	---	---	---	---	---	---	GC.	...	...	...	...	...	...	---	---	---	---	---	--T	G--	---	---	---	---	---
AN (MOA)	---	---	---	---	---	---	---	GC.	...	...	...	...	...	---	---	---	---	---	---	--T	T--	---	---	---	---	---
AN (MOB)	---	---	---	---	---	---	---	GC.	...	...	...	...	...	---	---	---	---	---	---	--T	GTA	TGT	AAC	GTG	CCA	TGC
AN (EK)	---	---	---	---	---	---	---	GC.	...	...	...	...	...	---	---	---	---	---	---	--T	GTA	TGT	AAC	GCG	TTC	CAT
AC (AE)	---	---	---	---	---	---	---	---	...	...	...	...	...	---	---	---	---	---	---	--T	G--	---	---	---	---	---
AO (NY)	---	---	---	---	---	---	---	---	---	---	---	A--	---	-TG	TAG	GTT	TCC	AAT	ATT	TAT	ATA	TAT
AS (MB)	---	---	---	---	---	---	---	---	---	---	---	TGT	ATA	TTA	TGT	GTT	TGT	GTT	GGT	GTT	CAC	GAC
								111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	
	788	888	888	889	999	999	999	000	000	000	011	111	111	112	222	222	222	333	333	333	344	444	444	445	555	555	
	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456	
AN (AK)	-TA	AAG	GT-	---	TAA	CTT	CAT	ATA	TGC	ACG	-CA	CAC	ACG	---	ACG	-AG	ACG	A--	---	---	CGA	CCA	CGG	TCT	TGC	-C-	
AN (NK)	-.	...	..-	---	...	...	...	...	...	...	---	...	...	---	...	...	---	---	---	---	...	...	...	...	...	..-
AN (KT)	--G	T..	..-	---	.TT	TCC	A.C	..G	..T	---	-.G	T..	...	---	CTA	---	-.T	C--	---	--T	..T	...	...	...	...	..-
AN (MOA)	--G	T..	..-	---	.TT	TCC	A.C	..G	..-	---	-.G	T..	...	---	CTC	---	-.T	C--	---	--T	..T	...	...	...	...	..-
AN (MOB)	AC.	C.C	..-	---	CTC	TC.	T.C	..G	C.T	...	CAG	...	...	---	C.A	CTT	.TA	C--	---	--T	..T	...	...	...	...	..-
AN (EK)	A.G	C.C	..-	---	CTC	TC.	T.C	..G	C.T	...	CAG	...	...	---	C..	-TT	.TA	C--	---	--T	.TT	...	...	...	...	..C
AC (AE)	G.G	GG.	T.-	---	CTT	..C	TTC	TCG	.A.	...	-A.	AG.	..A	---	G.A	-CC	...	CGC	T--	--C	TCT	...	...	...	...	..T
AO (NY)	A..	T.T	A.-	---	AT.	TA.	T..	...	.AT	.TC	AT.	A.T	.TA	CAC	G..	TGC	...	CAG	CAC	GGT	.AC	.T.	...	.TC	.C.	A.C
AS (MB)	AA.	C.C	T.G	GCG	.TT	.GC	AGC	.CG	.T.	..C	A..	...	CA.	CTG	CT.	CT.	CT.	GCT	GCG	TGC	TCT	.G.	T.A	G.A	CA.	GGT	
	111	111	111	111	111	111	111	111	111	111	111	111	111	111	122	222	222	222	222	222	222	222	222	222	222	222	
	555	666	666	666	677	777	777	778	888	888	888	999	999	999	900	000	000	001	111	111	111	222	222	222	233	333	
	789	012	345	678	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678	901	234	
AN (AK)	-AA	CCG	GC-	-GG	C--	---	--G	-GT	GTG	TAT	GGG	CAG	C-G	CGC	GCA	-TC	GGC	ATT	GCG	TCG	TTC	GCA	CGC	GCG	CGG	TGT	
AN (NK)	-.	...	..-	---	...	...	...	...	...	...	---	...	...	---	...	...	---	---	---	---	...	...	...	...	...	...
AN (KT)	-.C	.A.	.G-	---	---	---	---	C..	...	...	...	...	..-	.A.	C..	-A.	...	...	...	...	.C.	...	...	...	...	...
AN (MOA)	-.C	.A.	.G-	---	---	---	---	C..	...	...	...	...	..-	.A.	C..	-A.	...	...	...	...	...	...	...	...	...	...
AN (MOB)	-.C	.A.	.GA	G..	---	---	---	C.A	...	...	...	...	..-	.A.	C-	-A.	...	...	...	...	...	...	...	...	...	...
AN (EK)	-.C	.A.	.GA	G..	---	---	---	C.A	...	...	...	...	..-	GA.	C-	-A.	...	...	...	...	...	...	...	...	...	...
AC (AE)	C.C	.A.	.G-	-T.	..-	---	---	CA.	.C.-A	..-	..-	-A.	..T	..AA.T	C..
AO (NY)	T.C	A..	.TC	TT.	.CT	CCA	GG.	C..	...	...	...	...	..-	.A.	CA.	-A.	...	...	...	...	C..	...	...	...	...	...
AS (MB)	C.T	G.A	C.A	G..	GGT	TT-	GG.	CC.	...	...	..A	...	..-	.TT	CA.	CA.	...	..A	...	...	...	...	...	...	..T	C..

Figure S2.

	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	223	333	333	333	333	
	333	334	444	444	444	555	555	555	566	666	666	667	777	777	777	888	888	888	899	999	999	990	000	000	000	111
	567	890	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456	789	012
AN (AK)	AGC	--T	CCT	AGG	G-T	TAG	GTT	ACA	CGC	GGC	GTG	CC-	--T	CGG	CGA	ACC	GTG	GCG	C-T	GCT	TGA	CAC	AGC	CCC	CTG	GCT
AN (NK)	...	--.	...	...	..	...	...	...	...	...	...	..	--.	...	...	...	...	..	...	...	...	...	...	...	...	...
AN (KT)	...	--.	...	...	..	...	...	...	...	...	...	..	--.	...	...	...	...	..	...	...	...	...	..T.	...	..C	...
AN (MOA)	...	--.	...	...	..	...	...	...	...	...	...	..	--.	...	...	...	...	..	...	...	...	...	..T.	...	..C	...
AN (MOB)	.T.	--.	.G.	G..	.G.	...	...	...	...	...	...	..	--.	...	...	...	...	..	...	...	...	...	..T.	...	..C	...
AN (EK)	.T.	--.	.G.	G..	.G.	...	...	...	...	...	...	..	--.	...	...	...	...	..	...	...	...	...	..T.	...	..C	...
AC (AE)	.T	--A	...	...	..	...	.C.	...	...	...	...	..	--C	..T	...	...	...	.C.	...	...	.G.	...	...	..	..C	...
AO (NY)	...	--.	...	...	..A	...	.AC	...	...	...	...	..	--.	...	.A.	...	...	..	...	...	...	...	..T.	...	..C	...
AS (MB)	..T	--A	...	...	..	...	.C.	.G.	...	...	...	..	--.	...	...	...	...	..	...	...	...	...	...	..	...	...
	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333
	111	111	122	222	222	223	333	333	333	444	444	444	455	555	555	556	666	666	666	777	777	777	788	888	888	889
	345	678	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678	901	234	567	890
AN (AK)	GCT	TCT	CGT	GGC	GCG	GTG	CGC	GTG	CCT	---	GCT	CCT	TCG	CAT	GTT	ATG	CTC	TCT	TCA	GC-	GCC	CCG	GGG	TGG	T--	-AA
AN (NK)	...	...	...	...	...	...	...	...	...	---	...	...	...	...	...	...	...	..	...	...	...	...	...	...	---	---
AN (KT)	...	...	...	...	---	---	...	...	..C	---	.A.	...	...	...	...	C..	--.	...	...	..	...	...	...	---	---	---
AN (MOA)	...	...	...	...	---	---	...	...	..C	---	.A.	...	...	...	...	C..	--.	.T.	...	..	...	...	...	---	---	---
AN (MOB)	...	...	...	...	---	---	...	...	..C	---	.A.	...	...	...	..G	T..	--.	...	...	..	...	...	...	---	---	---
AN (EK)	...	...	...	...	---	---	...	...	..C	---	.A.	...	...	...	..G	T..	--.	...	...	..	...	...	...	---	---	---
AC (AE)	...	...	...	...	---	---	...	...	..C	A--	.T.	...	...	...	..G	T..	--.	...	...	..	...	...	...	---	---	---
AO (NY)	...	...	...	...	---	---	...	.C.	..C	G--	ATC	.T.	CG.	...	...	GC.	--.	...	...	..A	...	...	...	---	---	---
AS (MB)	...	...	...	...	.GT	.C.	.A.	...	..C	GAT	AAC	.T.	CTT	.GC	A..	G.T	G-	...	...	..G	C..	.G.	...	...	A--	---
	333	333	333	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444
	999	999	999	000	000	000	011	111	111	112	222	222	222	333	333	333	344	444	444	445	555	555	555	666	666	666
	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678
AN (AK)	GTG	---	---	---	-AC	CG-	CCC	CAG	CAC	GCC	ATG	CTG	C-G	CTC	GTG	---	-TG	CTG	TCA	CAC	AA-	---	-CA	ACA	CGA	GCA
AN (NK)	...	---	---	---	...	..	...	...	...	...	...	...	..	...	...	---	...	...	..	---	---	...	...	...	...	...
AN (KT)	...	---	---	---	...	..A	...	...	...	...	...	..	...	...	...	GCA	C.C	.C.	.GT	GTT	GGG	CGC	A.C	.GC	...	...
AN (MOA)	...	---	---	---	...	..A	...	...	...	...	...	..	...	...	...	GCA	C.C	.C.	.GT	GTT	GGG	CGT	A.C	.GC	...	...
AN (MOB)	...	---	---	---	...	..	...	...	...	...	...	..	...	...	...	GCA	C.C	.C.	.GT	GT.	GGG	CGT	A.C	GGC	...	...
AN (EK)	...	---	---	---	...	..	...	...	...	...	...	..	...	...	...	GCG	CAC	.C.	.GT	GT.	GGG	CGT	A.C	GGC	...	...
AC (AE)	...	TTG	TAA	CCT	G..	.C-	...	...	...	...	...	..	T.	...	...	GTG	A..	A..	C..	AG.	CGG	CC-	..C	..C	...	...
AO (NY)	...	---	---	---	...	..	...	.G.	...	...	...	..	...	...	...	GCA	CCC	.C.	.GT	GGT	GGG	CGT	A.C	.GC	...	...
AS (MB)	C..	---	---	---	...	..	...	...	...	...	...	..	...	...	---	---	--.	CGT	AG.	CG-	---	..C	.TC	...	...	...

Figure S2 (continued).

	444	444	444	444	444	444	444	444	444	444	455	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555
	677	777	777	778	888	888	888	999	999	999	900	000	000	001	111	111	111	222	222	222	233	333	333	334	444	444		
	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456	789	012	345	678	901	234	567	890	123	456		
AN (AK)	GTC	TGA	GC-	----	--C	AAC	GCT	T--	GTC	TCA	ACA	ATT	GAG	TAG	GCA	CTC	AAG	AAT	GTG	TGC	ATC	GGG	CGG	GTT	GAA	GCG		
AN (NK)	...	...	..-	----	--.	...	...	---	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
AN (KT)	...	...	..C	----	-AT	--A	...	---	..C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
AN (MOA)	...	...	..TC	----	-AT	..TA	...	---	..C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
AN (MOB)	...	...	..C	----	-AT	..G	...	---	..C	...	...	...	...	...	...	...	...	...	...	...	...	...	..T	...	...	...	...	A..
AN (EK)	...	...	..C	----	-AT	T-G	...	---	..C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
AC (AE)	...	...	..TG	TGT	AGT	..G.	AT.	..TT	...	...	...	..C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
AO (NY)	...	...	..-	----	--.	..TA	...	---	..C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
AS (MB)	...	...	..G	CGC	AAT	G-A	...	---	..C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	555	555	555	555	555	555	555	555	555	555	555	555	5															
	444	555	555	555	566	666	666	667	777	777	777	888	8															
	789	012	345	678	901	234	567	890	123	456	789	012	3															
AN (AK)	TCC	GAT	GCG	CCA	TAT	GCG	TT-	CAA	CGT	GTC	GGT	GTT	C															
AN (NK)	...	...	...	...	...	...	..-	...	...	...	...	...	.		
AN (KT)	...	...	...	...	...	...	..-	...	...	...	...	...	.		
AN (MOA)	...	...	...	...	...	...	..-	...	...	...	...	...	.		
AN (MOB)	...	...	...	...	...	...	..-	...	...	...	...	...	.		
AN (EK)	...	...	...	...	...	...	..-	...	...	...	...	...	.		
AC (AE)	...	...	...	...	...	...	..-	...	...	...	...	...	.		
AO (NY)	-..	...	..A	...	...	...	..-	...	...	...	...	...	.					
AS (MB)	...	...	...	...	...	...	..-	...	...	..-	...	...	.		

Figure S2 (continued).