

Supplemental Table S1. Oligonucleotide primers used in this study

Name	Target gene (GenBank Accession Number)	Sequence	Purpose
hAE1p17	Human AE1 (NM 00342)	5'-AAGCTTATGGAGGAGCTGCAGGATGAT-3'	Creation of hAE1
hAE1p2Sall	Human AE1	5'-GTCGACTCACACAGGCAATGCCACTTCG-3'	
hAE1pdCt11sal1	Human AE1	5'-GTCGAGCTATTCATCTCAACCTTCTC-3'	Creation of hAE1Δ11
bAE1EcoRVp1	Bovine AE1 (NM101836)	5'-GACTGGTGGTGTATATCCGGC-3'	Creation of hAE1/b[1-403]
bAE1EcoRVp2	Bovine AE1	5'-GCGCCGGATATCACGCCACAG-3'	Creation of bAE1/h[1-385]
b75RsacI	Bovine AE1	5'-ATCACGAGCTCCCGCAGCTGCAC-3'	Creation of hAE1/b[1-75]
h65FscI	Human AE1	5'-GCAGGAGCTCGTGTGGACGAAAAG-3'	
b18FXbaI	Human AE1	5'-GGAGAATCTAGAGCAGGAGGAATATG-3'	Creation of hAE1/b[1-17]
h18RXbaI	Human AE1	5'-TCCTGCTCTAGATTCTCTCCATC-3'	
b55REcoRV	Bovine AE1	5'-TGTGGATATCTGTGTCTGTACAGTGGTTG-3'	Creation of hAE1/b[17-55]
h46FEcoRV	Human AE1	5'-CACAGATATCCACACACCACATCACACCCGG-3'	
b37REcoRV	Bovine AE1	5'-AATGATATCACCTTCTGCCTTCCATTGG-3'	Creation of hAE1/b[17-37]
h39FEcoRV	Human AE1	5'-TCACGATATCGAGGCAACAGCCACAGAC-3'	
b37FEcoRV	Bovine AE1	5'-GATATCATTCAGGAAGAGGAGGCAG-3'	Creation of bAE1/h[18-39]
h39REcoRV	Human AE1	5'-CTCGATATCGTGTGAGCTGCCGGCT-3'	
bAE1H23PXbaI	Bovine AE1	5'-ACTCTAGAGCAAAAGGAATATGAAGACCCTGATTCCGTCCAGTATCCCA-3'	Creation of hAE1/b[23-37]
b17FXbaI	Bovine AE1	5'-AGACTTAGGAGCAAAAGGAATATGAAGACC-3'	Creation of hAE1/b[25-29]
hAE1-AEGEcoRV	Human AE1	5'-ATGATATCACCTTCTGCCTCCTCCATCTGGGAC-3'	Creation of hAE1/b[33-35]
bAE1S25,27AmuF	Bovine AE1	5'-GAAGACCATGATGCCGTCGCTATCCCAATG-3'	Mutation of S25A/S27A
beAE1spelsitep5	Bovine AE1	5'-TGCAGCTGCGGAACTAGTAATGGATGAAAAGAACC-3'	Insertion of <i>Spe I</i> site in bAE1
beAE1V26Ap1	Bovine AE1	5'-AAGACCATGATTCGCCGAGTATCCCAATGGA-3'	Mutation of V26A in bAE1
beAE1I28Ap1	Bovine AE1	5'-TCCGTCAGTGCCTCAATGGAAGAGGCAGAA-3'	Mutation of I28A in bAE1
beAE1P29Ap1	Bovine AE1	5'-TATCGCAATGGAAGAGGCAGAAAGGTGACAC-3'	Mutation of P29A in bAE1
beAE1M30Ap1	Bovine AE1	5'-CCATGATCCGTCAGTATCCAGCAGAAGA-3'	Mutation of M30A in bAE1
beAE1V26Lp1	Bovine AE1	5'-GAAGACCATGATTCCTCAGTATCCCAATGG-3'	Mutation of V26L in bAE1
beAE1V26Fp1	Bovine AE1	5'-AGTATCCCAATGGAAGAGGCAGAAAGGTGA-3'	Mutation of V26F in bAE1
beAE1V26Fp2	Bovine AE1	5'-TCCATTGGGATACGAAAGAAATCATGGT-3'	
beAE1I28Lp1	Bovine AE1	5'-GTCAGTTTGCCAATGGAAGAGGCAGAAAGG-3'	Mutation of I28L in bAE1
beAE1M30Lp1	Bovine AE1	5'-CCATGATCCGTCAGTATCCCACTCGAAGA-3'	Mutation of M30L in bAE1
beAE1SVSPIMp1	Bovine AE1	5'-CATGATCCGTCAGTCAATCATGGAAGA-3'	Mutation of I28P/P29I in bAE1
heAE1spelsitep5	Human AE1	5'-TGTGGAGTGCAGGAACTAGTAATGGACGAAAAGAACC-3'	Insertion of <i>Spe I</i> site in hAE1
heAE1P27Vp2	Human AE1	5'-TCCTCCATCTGGGACTCGACGATGCTGGG-3'	Mutation of P27V in hAE1Δ11
heAE1S29Ip1	Human AE1	5'-CCGAGATCCAGATGGAGGAGCCGGCAGCTC-3'	Mutation of S29I in hAE1Δ11
heAE1P27VS29Ip1	Human AE1	5'-GACATCGTGTGAGTCCAGATGGAGGAGCCGG-3'	Mutation of P27V/S29I in hAE1Δ11
Ly49Ep1	Mouse Ly49E (NM 008463)	5'-AACATACTTCATGAATCCACGATGAGTG-3'	Cloning of Ly49E
Ly49Ep4	Mouse Ly49E	5'-GTCGACACAGGGAATGATCCAGTTTC-3'	
Ly49Ep5	Mouse Ly49E	5'-ACCCACTAGTCTCACTGTGAGATCGCTT-3'	Insertion of <i>Spe I</i> site in Ly49E
beAE1/NtLy49Ep14	Bovine AE1	5'-ACGCACTAGTCCCGCAAGAGCTT-3'	Creation of bN[1-37]Ly
heAE1NtLy49Ep10	Human AE1	5'-ATATCACGCACTAGTCCCGCAAGAGCT-3'	Creation of hN[1-39]Ly
Sar1Ap1	Human Sar1 (NM 001142648)	5'-GAATTCGCCGCCATGCTTTCATCTTTGAG-3'	Creation of Sar1-myc
Sar1Ap2	Human Sar1	5'-CTCGAGTACAGTCTCTCTGAGATCAGCTTCTGCATTGATGCATGTCAATATACTGGGAGAGCCAGCGG-3'	
Sar1H79Gp1	Human Sar1	5'-GTGGGGCGGAGCAAGCAGCTCGCGTTTG-3'	Creation of Sar1H79G
Halotagp1	pHT2 Vector	5'-GTCGACATGGGATCCGAAATCCGTACAGGC-3'	Cloning of Halo TM -tag
Halotagp2	pHT2 Vector	5'-GCGGCCGCTTAGCCGGCCAGCCCGGGG-3'	
bN1-37p1	Bovine AE1	5'-CCCGGGTGAATTCATGGGGATCCGGAGG-3'	Creation of bN[1-37]-Halo
bN1-37p2	Bovine AE1	5'-GTCGACTGTGCACCTTCTGCCTTTC-3'	
hN1-39p1	Human AE1	5'-GGATCCGAATTCATGGAGGAGCTGCAGG-3'	Creation of hN[1-39]-Halo
hN1-39p2	Human AE1	5'-GTCGACTGTGTCGTGAGCTGCCGGC-3'	
Sec24Ap1	Human Sec24A (NM 021982)	5'-CTCGAGATGTCCAGCCGGAATACCCGGCC-3'	Cloning of Sec24A
Sec24Ap2	Human Sec24A	5'-GCGGCCGCTATTATTCACCTTGTGCTG-3'	
Sec24Bp1	Human Sec24B (NM 006323)	5'-CTCGAGATGCAGGTTCATCTGGATATGG-3'	Cloning of Sec24B
Sec24Bp2	Human Sec24B	5'-GCGGCCGCTACTTACAAATCTGTGCTG-3'	
Sec24Cp1	Human Sec24C (NM 004922)	5'-CTCGAGATGAACGTCAACCAGTCAGTTCC-3'	Cloning of Sec24C
Sec24Cp2	Human Sec24C	5'-GCGGCCGCTAGCTCAGTAGCTGCCAATC-3'	
Sec24Dp1	Human Sec24D (NM 014822)	5'-CTCGAGATGAGTCAACAGATGACGTGGC-3'	Cloning of Sec24D
Sec24Dp2	Human Sec24D	5'-GCGGCCGCTAATTAAGCAGCTGACAGATC-3'	
Sec24C-AAAp1	Human Sec24C	5'-GCGGCCGCTCCTGAGTGCATGAAGTACTC-3'	Creation of Sec24C-AAA
mAE1p1	Mouse AE1 (NM 11403)	5'-GTCGACATGGGGGACATGCGGGACCACG-3'	Creation of mouse AE1Δ11
mAE1p2	Mouse AE1	5'-GAATCCCATCTTAGCCATCTCTCTCTC-3'	
cAE1p1	Canine AE1 (AB242566)	5'-CTCGACATGGACAACCAGGACAGCACC-3'	Creation of canine AE1Δ11
cAE1p2	Canine AE1	5'-GTCGACTCAACCTTCTCTTCATGAAAG-3'	
eAE1p1	Equine AE1 (AB242566)	5'-GTCGACTGGATGATTCCTCCAGGAGAAT-3'	Creation of equine AE1Δ11
eAE1p2	Equine AE1	5'-GTCGACTTAACCTTCTCTCATCAAAAG-3'	
cAE1/Ly49Ep1	Mouse AE1	5'-CAGCCACCATGGACAACCAGGACAGCACC-3'	Creation of mN[1-49]Ly
cAE1/Ly49Ep2	Mouse AE1	5'-CACTAGTGTGGGGTAAGCTATGGCTCCTC-3'	
eAE1/Ly49Ep1	Canine AE1	5'-CAGCCACCATGGATGATTCCTCCAGGAGAATC-3'	Creation of cN[1-46]Ly
eAE1/Ly49Ep2	Canine AE1	5'-CACTAGACTGGGCCTTCAATAATCCTCC-3'	
mAE1/Ly49Ep1	Equine AE1	5'-CAGCCACCATGGGGGACATGCGGGACCACG-3'	Creation of eN[1-41]Ly
mAE1/Ly49Ep2	Equine AE1	5'-CACTAGTGTGGGAAGAGCTTCTGGGTC-3'	
VSV-Gp1	pMD2.G	5'-GAATTCGCCGCCATGAAGTGCCTTTTGTAC-3'	Creation of VSV-G-GFP
VSV-Gp2	pMD2.G	5'-GTCGACCTTCCAAAGTCGGTTCATCTC-3'	