

A. ESE-1 AA#

	189	Box1	203	Box2	216	Box3	229	Box4	239	%id.
Homo sapiens (human)	PSPGSSDVSTAGTGASRSSHSSDSGGSDVDLDPTDGKLFPSDGFDRDCKKGD									
Pan troglodytes (chimpanzee)	PSPGSSDVSTAGTGASQSSHSSDSGGSDVDLDPTDGKLFPSDGFDRDCKKGD 98%									
Pongo abelii (sumatran orangutan)	PSPGSSDVSTAGTGASRSSHSSDSGGSDVDLDPTDGKLFPSDGFDPDCKKGD 98%									
Callithrix jacchus (common marmoset)	PSPGSSDIISTTGTGTSRSSHSSDSGGSDVDLDPTDSKLFPSDSFDPDCKKGD 88%									
Oryctolagus cuniculus (rabbit)	PSPGSSDVSTAGTGASQSSHSSDSGGSDVDLDPPDSKLFPRDGYDPDCKKVD 84%									
Macaca mulatta (rhesus macaque)	AGELLDDVSTAGTGASRSSHSSDSGGSDVDLDPTDSKLFPRDGFDPDCKKGD 82%									
Monodelphis domestica (opossum)	PSPGSSDVSTSGTGTSSQSPH-SDSGGSDVDLDPTDNKLFPSDNFDPDYKKGD 81%									
Ailuropoda melanoleuca (giant panda)	PSPGSSDVSTTGTGTSSQSPHSSDSGGSDVDLDPSDSKLFRCRDGFDPDYKKGD 80%									
Canis familiaris (dog)	LSPGSSDVSTAGTATSSQSPHSSDSGGSDVDLDPTDSKLFSSRDGFDPDYKKGD 80%									
Bos Taurus (cow)	PSPGSSDVSTTGTGASQSPHSSDSGGSDVDLDAPDSKLFPGDGFDPDYKKGE 78%									
Equus caballus (horse)	PSPGNSDVSTAGTGASQSSHSSDSGGSDVDLDPTDSKLFSSGEWREPPRGD 78%									
Rattus Norvegicus (rat)	PSPGSSDFSTSGTDTPOSSHSSDSGGSDVDLDLTDSKVFPDGFDPDYKKGE 74%									
Mus musculus (mouse)	PSPGSSDVSTARTATPOSSHSSDSGGSDVDLDLTESKVFPDGFDPDYKKGE 72%									
Ornithorhynchus anatinus (platypus)	TSPGNSDVSTSGTGTSSQSPNSSDSGGSDLDLPDPTDTKLFPOGVFTDHKKGD 68%									
Gallus gallus (chicken)	MSPGSSDLS--GPVMSHSPNSQDSGGSDLDLDPMEAKLFPEDGFAGSKKGD 63%									

B.

