

Supplemental Table 1B

This table includes the taxonomically significant peptides from HeLa cultured VACV samples purified by cell washing and dounce homogenization.

The peptide, uniprot ID and protein name from one of the homologous proteins is provided. The species specificity is provided along with the frequency of observation (n= 6).

Peptides observed in more than replicate data set are included.

Peptide	Uniport ID	Protein Description	Organism	Freq.
HTFSGVASVESSSGEAFHV GK	P12763	Alpha-2-HS-glycoprotein	Bos taurus	1
TPIVGQPSIPGGPVR	B0JYN6	Alpha-2-HS-glycoprotein	Bos taurus	1
YTPSQAGAAASESLFVSN HAY	P04075	Fructose-bisphosphate aldolase A	Primates	1
GILGYTEHQVVSSDFNSDT HSSTFDAGAGIALNDHFVK	E7EUT4	Glyceraldehyde-3- phosphate dehydrogenase	Primates	1
DAFLGSFLYEYSR	P02769	Serum albumin	Bovine, Zebu Bovine, sheep,	1
RHPEYAVSVLLR	P02769	Serum albumin	goat, zebu	1
RHPYFYAPELLYYANK	P02769	Serum albumin	Bovine, Yak	1
DLVEAVAHILGIR	P49327	Fatty acid synthase	Great Apes	0.83
TLLEGSGLSESIISIIHSSLAEP R	P49327	Fatty acid synthase	Homo sapiens	0.83
ISSIQSIVPALEIANAHR	F5GWR2	60 kDa heat shock protein, mitochondrial Activator of 90 kDa heat shock protein ATPase	Homo sapiens	0.66
VFTTQELVQAFTHAPATLE ADR	O95433	homolog 1	Primates	0.66
FYALSASFEPFSNK	P27797	Calreticulin	Primates	0.66
TQTSDPAMLPTMIGLLAEA GVR	F5H634	D-3-phosphoglycerate dehydrogenase	Primates Primates,	0.66
LIAPVAEEEEATVPNNK	Q5U077	L-lactate dehydrogenase	Dolphin	0.66
ELAILLGM LDPAEKDEK	P30041	Peroxiredoxin-6	Primates	0.66
GDGPVQGIINFEQK	P00441	Superoxide dismutase [Cu-Zn]	Great Apes, yeast	0.66

TPAVEGLTEAEELRAEL				
TKVEEIVTLR	B4DPJ6	Tumor protein D54	Great Apes	0.66
DDEAAVALSSLIHALDDL		X-ray repair cross-		
DMVAIVR	P13010	complementing protein 5	Primates	0.66
AGAAPYVQAFDSLLAGPV		Adenylyl cyclase-	Primates, Dog,	
AEYLK	B2RDY9	associated protein	panda	0.5
		ADP-ribosylation factor		
MLLVDELNRDAVLLLFANK	C9JAK5	4	Primates	0.5
EQFLDGDGWTSR	P27797	Calreticulin	Primates	0.5
ALGLGVEQLPVVFEDVVL				
HQATILPK	P49327	Fatty acid synthase	Homo sapiens	0.5
		Hemoglobin fetal subunit		
FFESFGDLSSADAILGNPK	P02081	beta	Bos taurus	0.5
		Hemoglobin subunit		
VGGHAAEYGAEALER	P01966	alpha	Bos taurus	0.5
		Hydroxyacyl-coenzyme		
TLSTIATSTDAASVVHSTD		A dehydrogenase,		
LVVEAIVENLK	E9PF18	mitochondrial	Great Apes	0.5
		Neutral alpha-glucosidase		
YSLLPFWYTLTYQAHR	E9PKU7	AB	Great Apes	0.5
LPFPIIDDR	P30041	Peroxioredoxin-6	Great Apes, bat	0.5
DSLLQDGEFSMDLR	Q53Y44	Profilin	Primates	0.5
FISDKDASIVGFFDDSFSEA		Protein disulfide-		
HSEFLK	P30101	isomerase A3	Great Apes	0.5
			Primates,	
GPGTSFEFALAIVEALNGK	Q99497	Protein DJ-1	panda, ferret	0.5
NKDQEVNFQEYVTFGLGAL				
ALIYNEALKG	P06703	Protein S100-A6	Primates	0.5
MTELETAMGMIIDVFSR	P25815	Protein S100-P	Primates	0.5
HVFWGSGSHTLPALLENL		Transferrin receptor		
K	P02786	protein 1	Great Apes	0.5
		Ubiquitin-like modifier-		
SLVASLAEPDFVVTDFAK	P22314	activating enzyme 1	Homo sapiens	0.5
DFHVDEQTTVK	P34955	Alpha-1-antiproteinase	Bos taurus	0.33
GGPGSAVSPYPTFNPSSDV			Primates,	
AALHK	P04083	Annexin A1	Elephant	0.33
GAGTNEDALIEILTTR	P12429	Annexin A3	Primates	0.33
QAEESNLQSLVSQYFQTVA				
DYGK	P81644	Apolipoprotein A-II	Bos taurus	0.33
		Carbamoylphosphate		
HLPTLDHPIIPADYVAIK	Q5R210	synthetase I	Primates, Dog	0.33
GDTAIVDMVPGKPMCVES				
FSDYPPPLGR	E1B9F6	Elongation factor 1-alpha	Bos taurus	0.33
			Primates,	
FSHEEIAMATVTALR	P04075	Fructose-bisphosphate	elephant and	
		aldolase A	sea cucumber	0.33

AVEHLDDLPGALSESDLH		Hemoglobin subunit		
AHK	P01966	alpha	Bos taurus	0.33
FTNLLTSILDSAETKN	A8K4D5	Kynureninase	Homo sapiens	0.33
		Nicotinamide	Primates,	
TPAGNFVTLEEGKGDLEEY		phosphoribosyltransferas	guinea pig,	
GQDLLHTVFK	P43490	e	mole rate	0.33
DGYNYTISK	P31949	Protein S100-A11	Primates	0.33
MDFELYLGYEYVTALQNL				
R	Q29443	Serotransferrin	Bovine, Yak	0.33
		Transferrin receptor		
LVYLVENPGGYVAYSK	P02786	protein 1	Great Apes	0.33
GHAAPILYAVWAEAGFLA				
EAELLNLR	B4E022	Transketolase	Great Apes	0.33
		Triosephosphate		
SNVSDAVAQSTR	B4DUI5	isomerase	Great Apes	0.33
YAPTEAQLNAVDALIDSM		X-ray repair cross-		
SLAK	P13010	complementing protein 5	Primates	0.33