

Suppl. Table S3. Protein coding genes *H. lucertense* SVX82 with cTAG methylation within 20 bp upstream of the start codon

Locus Tag	Δ^*	Methylation [†]				RPKM [‡]				Gene annotation
		I	II	III	IV	I	II	III	IV	
SIVHX_0538	-3	+	+	+	+	44	0	44	0	HAD superfamily hydrolase
SIVHX_2584	-4	+	+	+	+	82	47	0	62	Sugar-specific transcriptional regulator TrmB
SIVHX_0106	-5	+	+	+	+	70	73	0	0	Uncharacterized protein
SIVHX_0772	-5	--	+	+	+	238	217.5	47	147	CbpA; DnaJ-class molecular chaperone
SIVHX_1729	-5	+	+	+	+	37.5	13.5	59	31	Uncharacterized membrane protein, Yip1 family
SIVHX_1861	-5	+	+	+	+	813.5	585.5	121	541.5	Ndk; Nucleoside diphosphate kinase
SIVHX_2482	-5	--	+	+	+	21	19.5	25	0	BglX; Beta-glucosidase, glycosyl hydrolase family 3
SIVHX_3282	-5	+	+	+	+	0	23	0	0	Uncharacterized protein
SIVHX_0549	-6	+	--	+	+	1229.5	707.5	267.5	821.5	Predicted redox protein, regulator of disulfide bond formation
SIVHX_2487	-6	+	+	+	+	202.5	275.5	230	351.5	SalX; ABC-type antimicrobial peptide transport system
SIVHX_3146	-6	+	+	+	+	95	151	96	100.5	OmpR; REC domain
SIVHX_5036	-8	+	+	--	+	183.5	285	0	187.5	ArsR; Transcriptional regulator containing HTH domain, ArsR family
SIVHX_0132	-9	+	+	+	+	135.5	149	32	42.5	RIO1; Serine/threonine protein kinase involved in cell cycle control
SIVHX_1326	-9	--	+	+	--	429.5	510.5	74	348.5	Transcriptional regulator, contains HTH domain
SIVHX_2851	-9	+	--	+	+	259.5	289.5	586.5	254	CopA; Copper-translocating P-type ATPase
SIVHX_0064	-10	--	+	+	+	817.5	540	346	598	Rubredoxin family protein
SIVHX_0624	-10	--	+	+	+	716	1950.5	38.5	2863.5	THI4; Sulfide-dependent adenosine diphosphate thiazole synthase
SIVHX_0972	-11	+	+	+	+	123	65.5	70.5	182.5	Archaea-specific RecJ-like exonuclease
SIVHX_1140	-11	+	+	+	--	1056	537.5	561.5	3172	AldH; Aldehyde dehydrogenase (NAD ⁺)
SIVHX_2840	-11	+	+	+	+	311	179	285.5	229.5	Fdx; DnaJ-like chaperone fused to ferredoxin
SIVHX_0241	-12	+	+	+	+	136.5	27	108.5	121	ICC-like phosphoesterase
SIVHX_0476	-12	--	+	+	+	25.5	32	0	36.5	Uncharacterized protein
SIVHX_0761	-12	+	+	--	+	72.5	50	330.5	197	Membrane protein implicated in regulation of membrane protease activity
SIVHX_1096	-12	+	+	+	+	62	0	129.5	0	Uncharacterized protein
SIVHX_1193	-12	--	+	+	+	143.5	113	279	344.5	Twin-arginine translocation signal domain-containing protein
SIVHX_1769	-12	+	+	+	+	55.5	36.5	0	0	Uncharacterized protein
SIVHX_2246	-12	+	+	--	+	91	107.5	0	0	Uncharacterized protein
SIVHX_2274	-12	--	+	--	+	20	25	96.5	28	AcrR; Transcriptional regulator, TetR/AcrR family
SIVHX_2438	-12	+	+	+	+	31.5	18.5	189.5	0	Cytochrome cbb3 oxidase subunit I
SIVHX_2809	-12	--	+	+	+	95	104	0	43.5	Uncharacterized protein
SIVHX_4082	-12	--	+	+	+	301.5	89.5	96	75	NosL family protein
SIVHX_0095	-13	+	+	+	+	104.5	131	56.5	0	NMD3; NMD protein affecting ribosome stability and mRNA decay
SIVHX_0302	-13	+	+	+	+	381.5	398	267	511.5	eRF1; Peptide chain release factor eRF1
SIVHX_0432	-13	+	+	+	+	205	300.5	1091.5	295	Uncharacterized archaeal Zn-finger protein
SIVHX_0545	-13	+	+	+	+	51.5	8	0	142.5	HisC; Histidinol-phosphate aminotransferase
SIVHX_1192	-13	--	+	+	+	524	501	232	433.5	Sc01; Cytochrome oxidase Cu insertion factor, SCO1/SenC/PrrC family
SIVHX_1297	-13	+	+	+	+	116.5	208	0	139.5	ArsR; Transcriptional regulator containing HTH domain, ArsR family
SIVHX_1533	-13	+	+	+	+	80.5	119	0	32	ArgA; Acetyltransferase (GNAT) family
SIVHX_1600	-13	+	+	--	+	40.5	87	280.5	246.5	Zn finger protein, C2C2 type
SIVHX_1767	-13	+	+	+	+	132.5	167.5	106	177	AstE; Succinylglutamate desuccinylase
SIVHX_2142	-13	+	+	--	+	90	142	125	374	Uncharacterized protein, DUF2062 family
SIVHX_2574	-13	--	+	--	+	6.5	0	0	0	FepB; ABC-type Fe3+-hydroxamate transport system
SIVHX_2595	-13	+	+	+	+	67.5	13.5	0	72.5	Uncharacterized protein
SIVHX_4056	-13	+	+	+	+	0	0	0	0	FrdA; Fumarate reductase flavoprotein subunit
SIVHX_0267	-14	+	+	+	+	11.5	27	0	53.5	CinA; Nucleotide-utilizing enzyme related to molybdopterin-biosynthesis
SIVHX_1073	-14	+	--	--	+	509.5	559.5	421.5	420.5	PetE; Halocyanin
SIVHX_1520	-14	--	+	+	--	146	175	321	536	GyrB; DNA gyrase subunit B
SIVHX_2227	-14	+	--	+	+	5	6	0	0	Uncharacterized surface protein, possible component of pili like system
SIVHX_1137	-15	+	+	--	+	1624	3529	1263	1974	Uncharacterized protein
SIVHX_2494	-16	+	+	+	+	41.5	112.5	17.5	51.5	Uncharacterized protein with Ig-like domain
SIVHX_3150	-16	+	+	+	+	50.5	65.5	0	0	hypothetical protein
SIVHX_3282	-16	+	+	+	+	0	23	0	0	Uncharacterized protein
SIVHX_4004	-16	+	+	+	+	1475	2009	145	7173.5	Pilin/Flagellin, FlaG/Flaf family
SIVHX_1072	-17	--	+	+	+	666.5	742	209	554.5	Zn ribbon containing protein
SIVHX_3327	-17	+	+	+	+	58	56.5	0	45	SufS; Cysteine desulfurase/selenocysteine lyase
SIVHX_0202	-18	+	+	--	+	33.5	116.5	0	49	Predicted transcriptional regulator, ArsR family
SIVHX_0279	-18	+	+	+	+	403	541.5	3387	540	Predicted RNA-binding protein, contains TRAM domain
SIVHX_1893	-18	+	+	+	+	236	71.5	29	38.5	lolE; Sugar phosphate isomerase/epimerase
SIVHX_3284	-18	+	+	+	+	36.5	91.5	0	0	Transcriptional regulator, contains HTH domain
SIVHX_3288	-18	+	+	+	+	30	66.5	23	30.5	Protein containing two CBS domains
SIVHX_0562	-19	+	+	+	+	28	81	0	21	Transposase
SIVHX_2215	-19	+	+	+	+	4	24.5	0	0	Transposase
SIVHX_3124	-19	--	+	--	+	7	15.5	0	0	Transposase
SIVHX_5067	-19	+	+	+	+	163.5	246.5	251	0	Transcriptional regulator, PadR family
SIVHX_0522	-20	+	+	+	+	77	34	60	77	Two-component system, OmpR family, sensor kinase
SIVHX_1115	-20	+	+	--	+	1454	2612.5	807	1201.5	TatA; Sec-independent protein secretion pathway component
SIVHX_3021	-20	+	+	+	+	7.5	24.5	0	0	Transposase
SIVHX_3300	-20	--	+	+	+	215	66	71.5	21	Transposase

*Distance from the methylated cytosine to the start codon;

[†]Methylation occurrence in four experiments I, II, III and IV.

[‡]RPKM (reads per kilo base per million mapped reads) values of gene expression in four experiments I, II, III and IV.