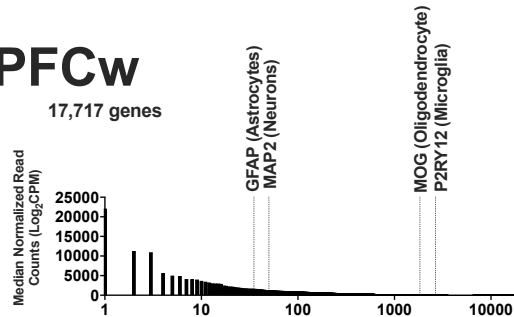


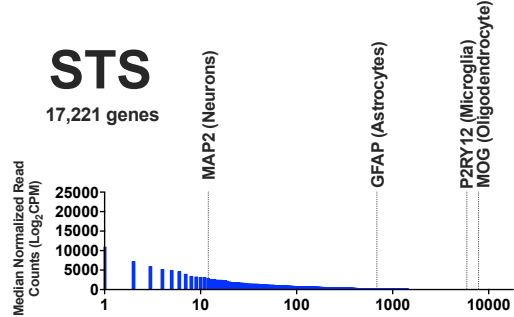
PFCw

17,717 genes



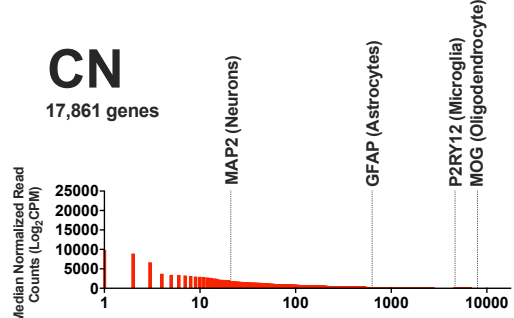
STS

17,221 genes



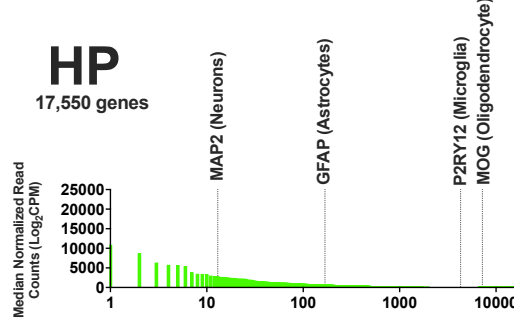
CN

17,861 genes

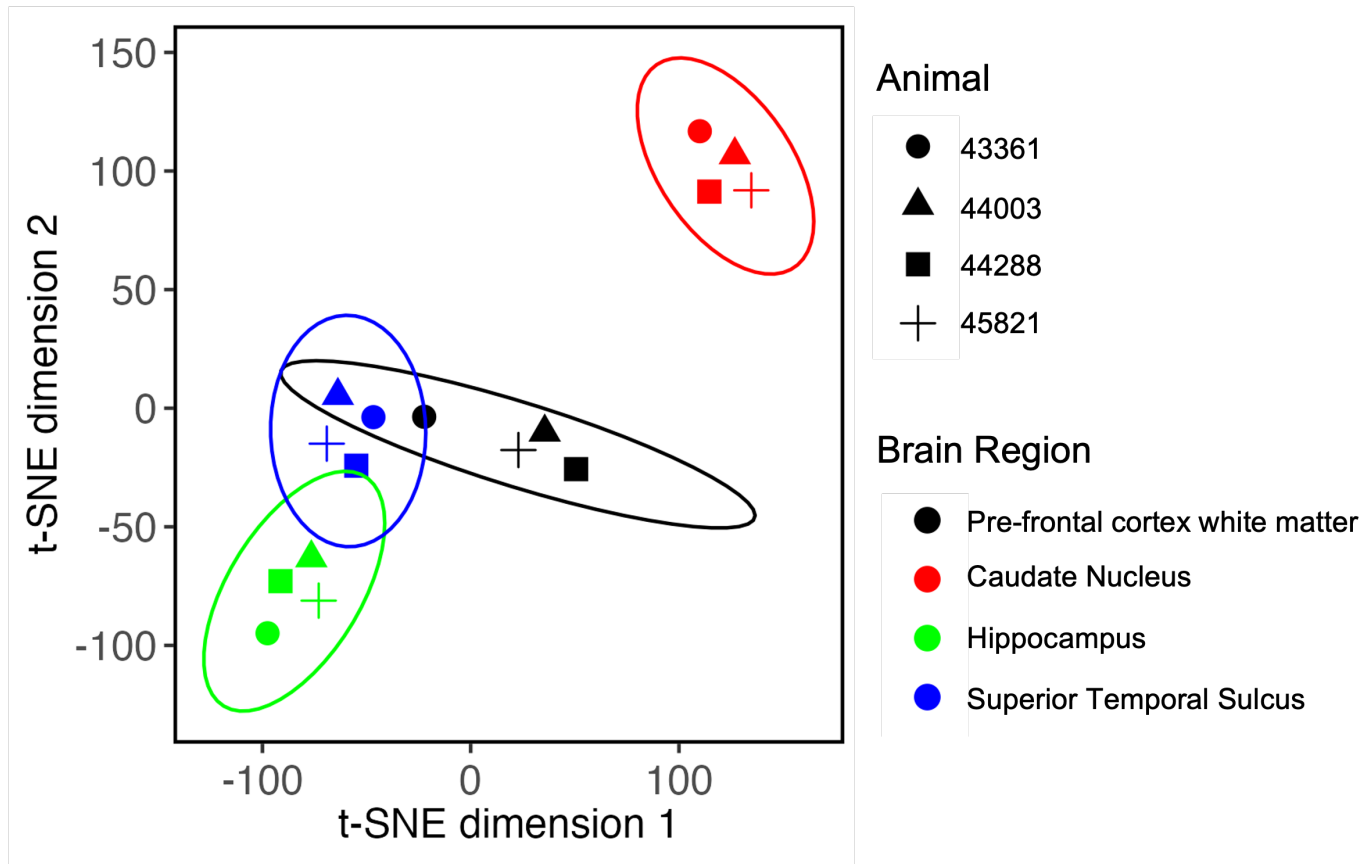


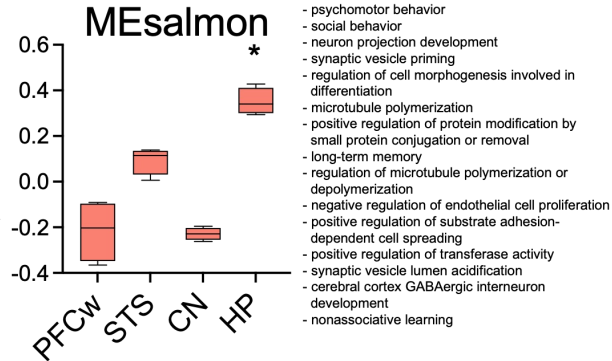
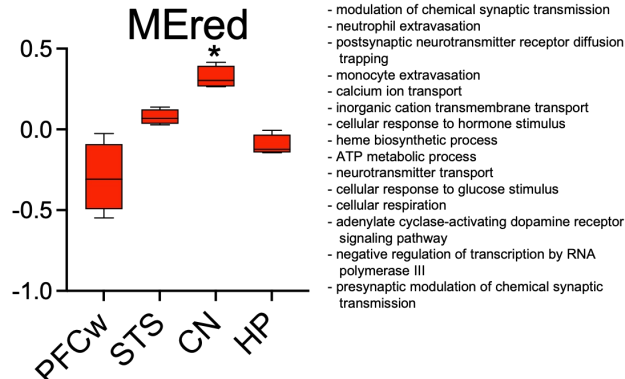
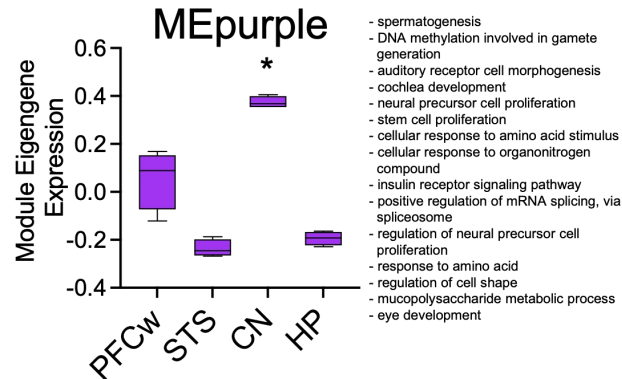
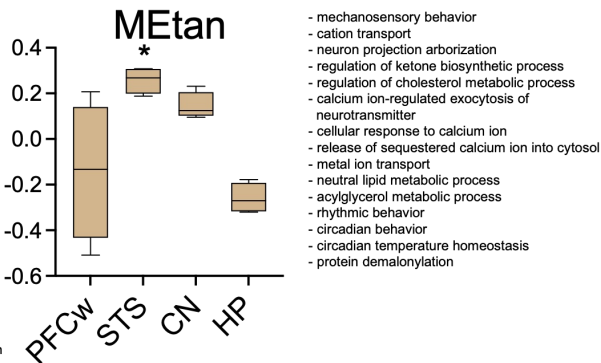
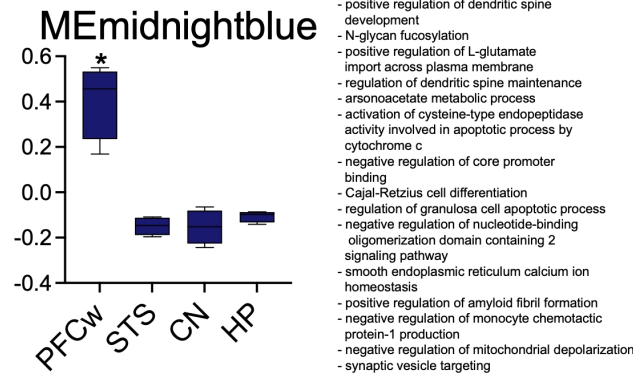
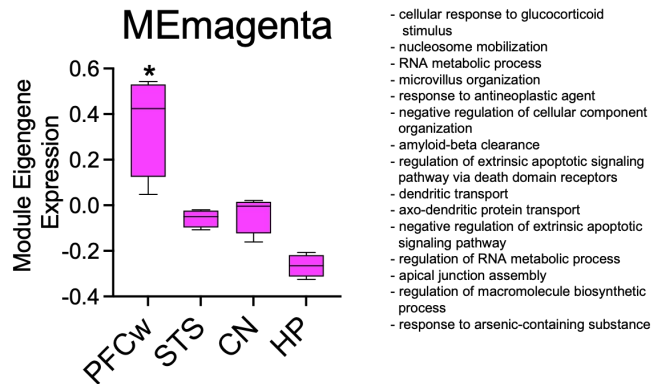
HP

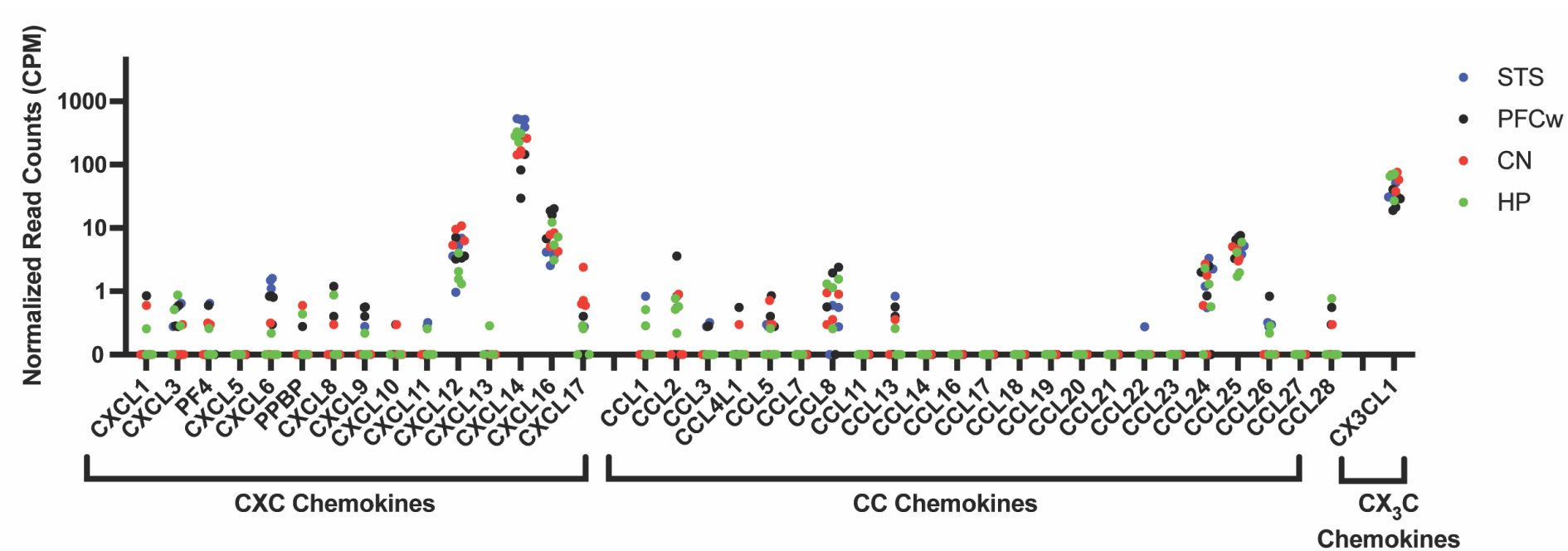
17,550 genes

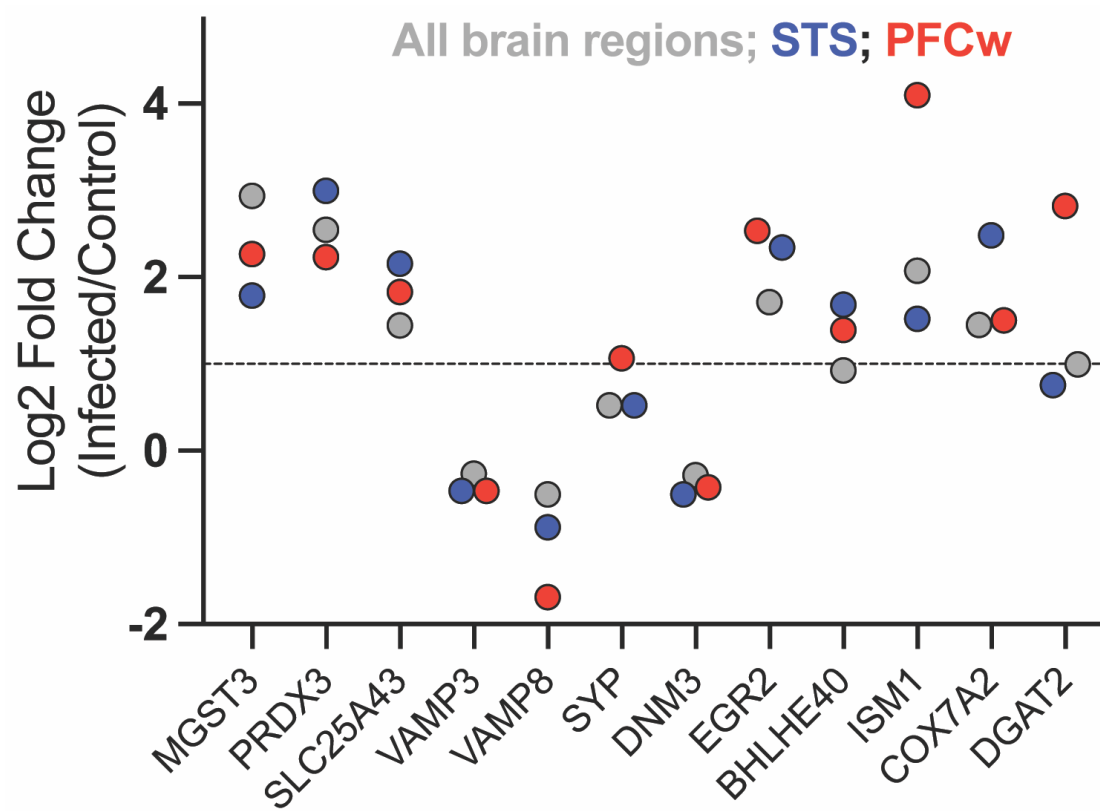


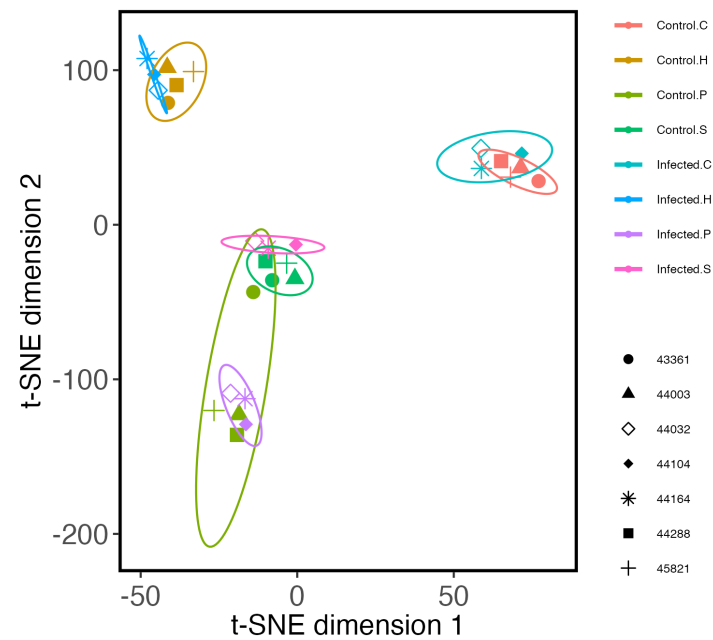
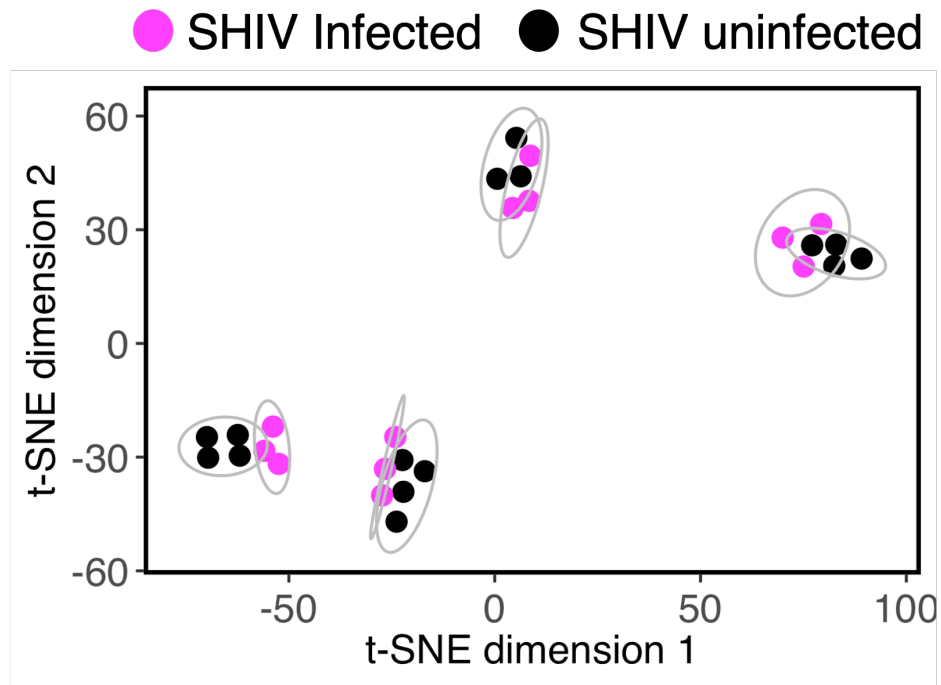
Ranked Genes











Normalized Read
Counts

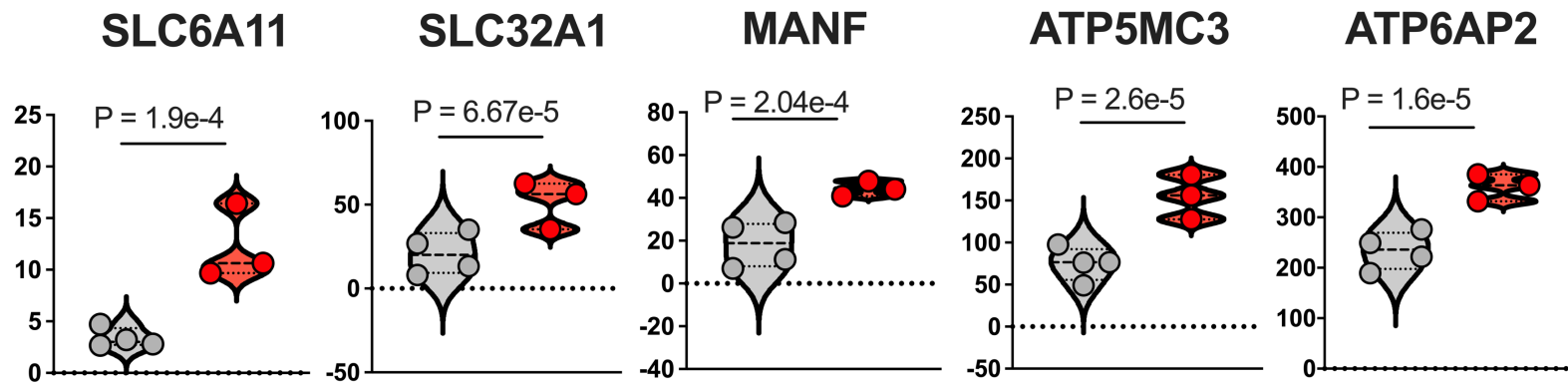


Table S1. Animal/Sample Data

Animal ID	Sample ID	SHIV Exposed	Sex	Age (y)	Med cull	Code	Brain tissue	Tissue weight (mg)	A260/A280	A260/A230	Total RNA conc (ug)
43361	SI61	No	M	6.6	Right leg lameness	SI61S-1	Superior Temporal Sulcus	74.0	2.06	2.24	25.74
						SI61H-2	Hippocampus	114.2	2.08	2.27	39.16
						SI61C-3	Caudate Nucleus	91.6	2.09	2.22	33.06
						SI61P-4	PFC A46 (w)	53.5	2.07	2.27	22.96
45821	SI21	No	F	3.6	Arthritis	SI21S-5	Superior Temporal Sulcus	124.8	2.10	2.30	53.59
						SI21H-6	Hippocampus	50.5	2.10	2.25	31.2
						SI21C-7	Caudate Nucleus	65.6	2.11	2.28	34.23
						SI21P-8	PFC A46 (w)	39.5	2.10	2.07	15.3
44003	SI03	No	F	5. 11	Arthritis	SI03S-9	Superior Temporal Sulcus	84.2	2.10	2.31	50.42
						SI03H-10	Hippocampus	76.7	2.09	1.86	30.45
						SI03C-11	Caudate Nucleus	90.1	2.09	1.96	32.4
						SI03P-12	PFC A46 (w)	72.3	2.05	2.13	16.8
44288	SI88	No	F	5.9	Diarrhea	SI88S-13	Superior Temporal Sulcus	104.2	2.07	2.27	33.58
						SI88H-14	Hippocampus	83.9	2.07	2.28	29.11
						SI88C-15	Caudate Nucleus	104.5	2.08	2.25	31.01
						SI88P-16	PFC A46 (w)	69.8	2.06	2.15	9.89
44164	SI64	Yes	F	5.5	Euthanasia 4 weeks post SHIV	SI64S-17	Superior Temporal Sulcus	40.2	2.05	2.12	19.8
						SI64H-18	Hippocampus	50.4	2.07	2.20	27.57
						SI64C-19	Caudate Nucleus	35.9	2.06	1.89	20.32
						SI64P-20	PFC A46 (w)	26.7	2.07	2.22	14.45
44104	SI04	Yes	F	5.2	Euthanasia 4 weeks post SHIV	SI04S-21	Superior Temporal Sulcus	52.3	2.08	2.30	29.22
						SI04H-22	Hippocampus	43.3	2.06	2.29	21.26
						SI04C-23	Caudate Nucleus	47.2	2.07	2.37	21.64
						SI04P-24	PFC A46 (w)	17.0	2.08	2.18	9.6
44032	SI25	Yes	F	5.6	Euthanasia 4 weeks post SHIV	SI32S-25	Superior Temporal Sulcus	46.5	2.07	2.24	21.56
						SI32H-26	Hippocampus	54.3	2.06	2.20	23.57
						SI32C-27	Caudate Nucleus	40.6	2.08	2.22	19.22
						SI32P-28	PFC A46 (w)	43.5	2.06	2.21	20.06

Table S3 Flow Cytometry Reagents

Reagent	Fluorochrome	Clone	Catalog no.	Source
PD-1	PE-Cy7	EH12.2H7	329918	Biolegend
CD3	AF700	SP34-2	557917	BD Biosciences
CD4	BV650	L200	563737	BD Biosciences
CD8	BV510	SK1	563919	BD Biosciences
CD20	BV421	2H7	302328	Biolegend
CD95	BUV 737	DX2	564710	BD Bioscience
Live/Dead	APC-Cy7		L34976	Life Technologies
CXCR3	APC	IC6	550967	BD Biosciences
CD45	AF-488	HI30	557803	BD Biosciences
CD11b	BV-510	ICRF44	563088	Thermofisher
HLA-DR	BV-785	L243	307642	Biolegend
CCR6	PE-Dazzle	G034e3	353430	Biolegend
Cytofix/cytoperm			51-2090KZ	BD Biosciences