

Supplementary Table S3. Genome copy biodistribution 28 and 365 days following vector administration in rhesus macaques

Tissue	Vector GC biodistribution (GC/diploid genome)							
	Day 28				Day 365			
	090-0275	090-0297	19,269	19,499	090-0263	090-0287	19,498	20,031
Adrenal gland, left	1.2393	0.7055	0.2549	0.0361	0.0938	0.0780	0.2330	0.1910
Adrenal gland, right	0.8945	0.6794	0.2864	0.0610	0.3338	0.1280	0.8471	0.1370
Aorta (thoracic and abdominal)	0.3823	0.2287	2.0733	0.0074	0.1201	0.0240	0.5424	0.0588
Ascending aorta (proximal)	0.4438	0.0649	0.1126	0.0219	0.1090	0.0036	0.1742	0.0025
Bone marrow, femur	0.9722	0.4193	2.2560	0.0639	0.7452	0.3160	1.3013	0.0869
Brain, cerebellum	0.0057	0.0026	0.0086	0.0007	0.0025	0.0010	0.0030	0.0005
Brain, cerebrum	0.0076	0.0107	0.0306	0.0010	0.0045	0.0013	0.0065	0.0019
Esophagus	0.2329	0.0634	0.0176	0.0015	0.0551	0.0112	0.0757	0.0006
Eye	0.0734	0.0448	0.1158	0.0014	0.0053	0.0025	0.0161	0.0035
Gall bladder	0.3739	5.8649	16.8454	0.0679	0.0624	0.8975	1.3509	0.5097
Gross lesions	NC	NC	NC	NC	NC	NC	NC	0.0007
Heart	0.6972	0.5782	0.6803	0.0426	0.1450	0.0377	0.1557	0.0074
Kidney, left	0.1165	0.1136	0.9398	0.0187	0.0387	0.0263	0.0612	0.0265
Kidney, right	0.1270	0.0885	0.0015	0.0131	0.0304	0.0233	0.0534	0.0128
Large intestine, colon	0.0342	0.0729	1.0453	0.0042	0.0087	0.0017	0.0167	0.0000
Liver, caudate lobe	81.1779	48.5860	114.9740	11.7989	9.9455	36.9566	9.1185	20.1178
Liver, left lobe	52.2641	51.6203	123.0050	15.2939	13.1707	47.4061	13.1674	18.8705
Liver, middle lobe	76.2506	51.1374	101.0790	16.4268	26.2567	23.1767	11.2676	32.7139
Liver, right lobe	38.8176	84.4106	134.0250	20.6715	20.1159	20.5713	13.7607	30.6929
Lung, left	0.0805	0.0551	0.1497	0.0059	0.0181	0.0054	0.0251	0.0026
Lung, right	0.0951	0.0436	0.1141	0.0047	0.0179	0.0038	0.0133	0.0020
Lymph node, axillary	0.2401	0.2319	1.7987	0.2876	0.0373	0.0471	0.2699	0.9840
Lymph node, inguinal	0.2225	0.5316	0.2544	0.3094	0.0254	0.0152	0.1637	0.0802
Lymph node, mesenteric	0.2145	0.1246	1.6307	0.1230	0.0091	0.0302	0.1545	0.0017
Lymph node, popliteal	0.2541	0.4373	1.7133	0.5093	0.0083	0.0144	0.1340	0.0139
Muscle, quadriceps femoris	0.2193	0.1315	2.6499	0.0299	0.0610	0.0038	0.0551	0.1469
Ovary, left	N/A	0.0336	0.5616	N/A	N/A	0.0011	N/A	0.0147
Ovary, right	N/A	0.0273	0.4839	N/A	N/A	0.0040	N/A	0.1060
Pancreas	0.0306	0.0787	0.1048	0.0004	0.0084	0.0085	0.0212	0.0128
Small intestine, duodenum	0.0249	0.0266	0.1080	0.0038	0.0069	0.0019	0.0024	0.0015
Small intestine, jejunum	0.0163	0.0049	0.0943	0.0010	0.0115	0.0034	0.0082	0.0007
Spinal Cord	0.0210	0.0092	0.0245	0.0034	0.0114	0.0029	0.0199	0.0050
Spleen	1.8818	1.0252	2.3128	4.5529	0.0626	0.0723	0.1510	0.0336
Stomach	0.0188	0.0074	0.0560	0.0015	0.0541	0.0028	0.0022	0.0001
Testicle, left	0.0886	N/A	N/A	0.0003	0.0064	N/A	0.0047	N/A
Testicle, right	0.0821	N/A	N/A	0.0003	0.0041	N/A	0.0070	N/A
Thymus	0.0047	0.0008	3.2419	0.0011	0.0002	0.0000	0.0014	0.0033
Thyroid gland (w/parathyroid)	0.2919	0.0187	1.4606	0.0123	0.0086	0.0016	0.0223	0.0018
Trachea	0.0188	0.0253	0.1006	0.0029	0.0031	0.0003	0.0040	0.0013

Wild type and LDLR^{-/-} rhesus macaques were injected i.v. with 1.25×10^{13} GC/kg AAV8.TBG.hLDLR. Following tissue harvest at necropsy, DNA was extracted, and vector biodistribution was determined.

NC, none collected; N/A, not applicable.