

Supplemental Table 3 Cytokine and chemokine production in the SG of AAV5-BMP6 and AAV5-GFP treated mice (pg/ml)

	IFN-γ	IL-10	IL-1β	IL-4	TNF-α	IL-13	IL-5	IL-6	KC	JE	MCP-1
GFP	110.30	60.29	87.28	16.72	30.88	4.96	11.60	10.33	65.52	29.01	48.28
BMP6	61.17	40.70	90.12	8.59	17.50	4.81	0.94	21.32	38.49	37.62	60.48
t-test	0.43	0.26	0.77	0.06	0.25	0.97	0.15	0.60	0.33	0.39	0.54

	MIP-β	MMP9	IL-12p70	IL-17	IL-18	IL-2	IL-12p40	IL-23	L-selectin	RANTES	TGF-β1
GFP	31.39	2149.29	8.60	5.64	117.68	19.91	1.10	1909.78	16753.17	125.69	1202.59
BMP6	49.24	943.62	6.98	6.82	91.74	14.67	1.92	1276.68	18326.00	174.15	1096.96
t-test	0.17	0.25	0.56	0.70	0.25	0.39	0.18	0.61	0.77	0.42	0.81

Mast cell proteinase-1(MCP-1), MCP-5, macrophage inflammatory protein-1 beta (MIP-1 β), regulated upon activation, normal T Cell expressed and secreted (RANTES), matrix metalloproteinase-9 (MMP-9), interleukin-1 beta (IL-1 β), IL-4, IL-5, IL-6, IL-10, IL-12p40, IL-12p70, IL-13, IL-17, IL-18, IL-23, interferon- γ (IFN- γ), and transforming growth factor- β 1 (TGF- β 1) were measured using a multiplex sandwich-ELISA assay (Aushon Biosystem Billerica, MA, USA).

NA: Lower than detection limits for this assay: IL-4: 1.2 pg/ml, IL-5: 2.3 pg/ml, IL-6: 5.5 pg/ml, IL-10: 1.6 pg/ml, IL-12p70: 0.78 pg/ml, IL-17: 1.6 pg/ml, MCP-1: 0.78 pg/ml, TGF- β 1: 6.8 pg/ml, IFN- γ : 7.8 pg/ml, TNF- α : 3.1 pg/ml. 5.5 pg/ml, IL-10: 1.6 pg/ml, IL-12p70: 0.78 pg/ml, IL-17: 1.6 pg/ml, MCP-1: 0.78 pg/ml, TGF- β 1: 6.8 pg/ml, IFN- γ : 7.8 pg/ml, TNF- α : 3.1 pg/ml.

The data shown are the mean of each group of mice [AAV5-GFP (N=3) and AAV5-BMP6 (N=3)]. Unpaired student t-test was used for statistical analysis. No statistical significant difference was detected in cytokine production between AAV5-GFP and BMP6 groups.