

**Supplementary Table 1.** Canine Patient Information

Case	Age/Sex	Breed	Histological Subtype at Biopsy	Brain Invasion*	Vaccine Adjuvant	Tumor Location	Residual Tumor Post-Resection	MRI Response	AB Response	Cause of Death (Days Post-Op)
1	7 /M.I.	Boxer	Papillary	No	CpG	L. Frontal/Thalamic	3.2 cm <sup>3</sup>	Stable	1,4	Abdominal Tumor (185)
2	10 /F.S.	Laborador Mix	Papillary	n/a	CpG	L. Frontal	1.95 cm <sup>3</sup>	Stable	1,3	Unknown (Age-Related; 646)
3	11 /F.S.	Laborador Mix	Meningothelial	Necropsy	CpG	R., L. Frontal	Gross Total Resection	Second Tumor, Reoperation Stable	1,2,3,4	Euthanasia (seizure activity; 192)†
4	9 /F.S.	Doberman Mix	Psammomatous	Necropsy	CpG	L. Olfactory	0.38 cm <sup>3</sup>	Stable	4	Euthanasia (paresis; 610)†
5	7 /M.N.	Golden Retriever	Transitional	No	CpG	L. Olfactory	Gross Total Resection	Stable	1	Euthanasia (seizure activity; 184)†
6	6 /F.S.	Afghan Hound	Transitional	n/a	Imiquimod	L. Frontal/Olfactory	Gross Total Resection	Stable	1,3,4	Alive (1009)
7	12 /F.S.	Weimaraner	Meningothelial	Necropsy	Imiquimod	L. Frontal/Olfactory	Gross Total Resection	Stable	1,3	Lymphoma (343)
8	13 /M.N.	Poodle	Meningothelial	Surgery	Imiquimod	L. Frontal	Gross Total Resection	Stable	1,3,4	Alive (838)
9	7 /M.N.	Great Dane	Psammomatous	n/a	Imiquimod	L. Frontal	1.05 cm <sup>3</sup>	Stable	1,3,4	Alive (834)
10	11 /F.S.	Schnauzer Mix	Transitional	n/a	Imiquimod	L. Frontal	Gross Total Resection	Stable	1,4	Unknown (Age-related; 733)
11	8 /M.N.	Beagle	Psammomatous	Surgery	Imiquimod	L. Frontal	0.053 cm <sup>3</sup>	Stable	1,4	Alive (748)

S: Spayed; N: Neutered; I: Intact

\*Surgery: brain invasion seen in surgical pathology; Necropsy: brain invasion seen in necropsy

Antibody reactivity: 1 to autologous tumor by western blot; 2. to allogeneic tumor by western blot; 3. to autologous surface antigens by flow cytometry; and 4. to allogeneic surface antigens by flow cytometry.

† Neurologic symptoms were thought to be due to recurrence; euthanasia was chosen, and at postmortem analysis, minimal or no tumor was present.

n/a: not available (due to lack of post-mortem or still alive)