Table S1. Summary of the antiemetic effect of temsirolimus against vomiting induced by various emetogens

Groups of drugs tested	**Drug concentration and route**	**Number of animals within a group (N)**	**% Vomit frequency and P-value**	**Shrews vomiting (%) and P-value**
Dopamine receptor agonists	**Apomorphine** (a dopamine $D_{2/3}$ non selective agonist; 2 mg/kg, i.p.)	6 – 7	68.85 *P = 0.04	71.43 **P = 0.008
	Quinpirole (a dopamine D_2 selective agonist; 2 mg/kg, i.p.)	8	81.80 *P = 0.01	75 **P = 0.002
Serotonergic 5-HT_3 receptor agonists	**5-HT** (serotonin, a peripherally-acting non-selective 5-HT_3 receptor agonist; 5mg/kg. i.p.)	6	94.73 ***P = 0.0001	83.33 **P = 0.003
	2-Methyl-5-HT (a centrally/peripherally-acting and selective agonist; 5 mg/kg, i.p.)	6	58.33 *P = 0.01	100 P > 0.05
Cholinergic M_1 receptor agonists	P**ilocarpine** (a nonselective agonist, 2 mg/kg, i.p.)	5	84.48 **P < 0.002	60 *P = 0.04
	McN-A-343 (a selective agonist; 2 mg/kg, i.p.)	10	71.80 *P = 0.02	70 **P = 0.001
Tachykininergic Neurokinin 1 (NK_1) receptor agonist	**GR73632** (a selective agonist, 5 mg/kg, i.p.)	7 – 9	69.96 **P = 0.006	55.56 *P < 0.05
L-type Ca^{2+} channel (LTCC) agonist	F**PL64176** (10 mg/kg, i.p.)	5 – 6	100 ***P = 0.001	100 **P = 0.003
Sarco/endoplasmic reticulum (ER) Ca^{2+} ATPase inhibitor (SERCA)	**Thapsigargin** (0.5 mg/kg, i.p.)	5 – 6	94.14 **P < 0.01	80.00 **P = 0.006
Cannabinoid CB_1 receptor antagonist/inverse agonist	**SR141716A** (20 mg/kg, i.p.)	7 – 11	100 ***P = 0.0001	100 ****P < 0.0001
Chemotherapeutic agent	**Cisplatin** (10 mg/kg, i.p.)	7 – 8	80.48 **P = 0.002	57.14 *P = 0.02

Asterisk indicates significance vs. Vehicle