

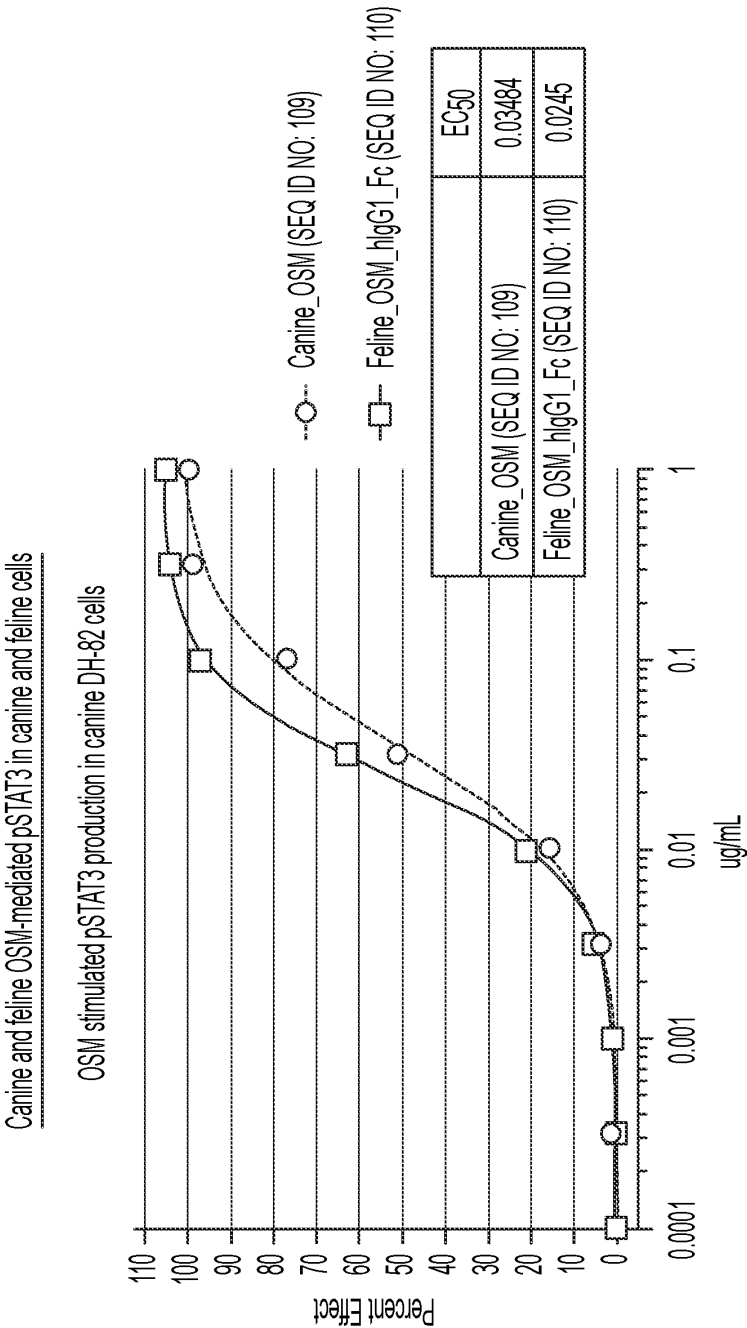


FIG. 1A

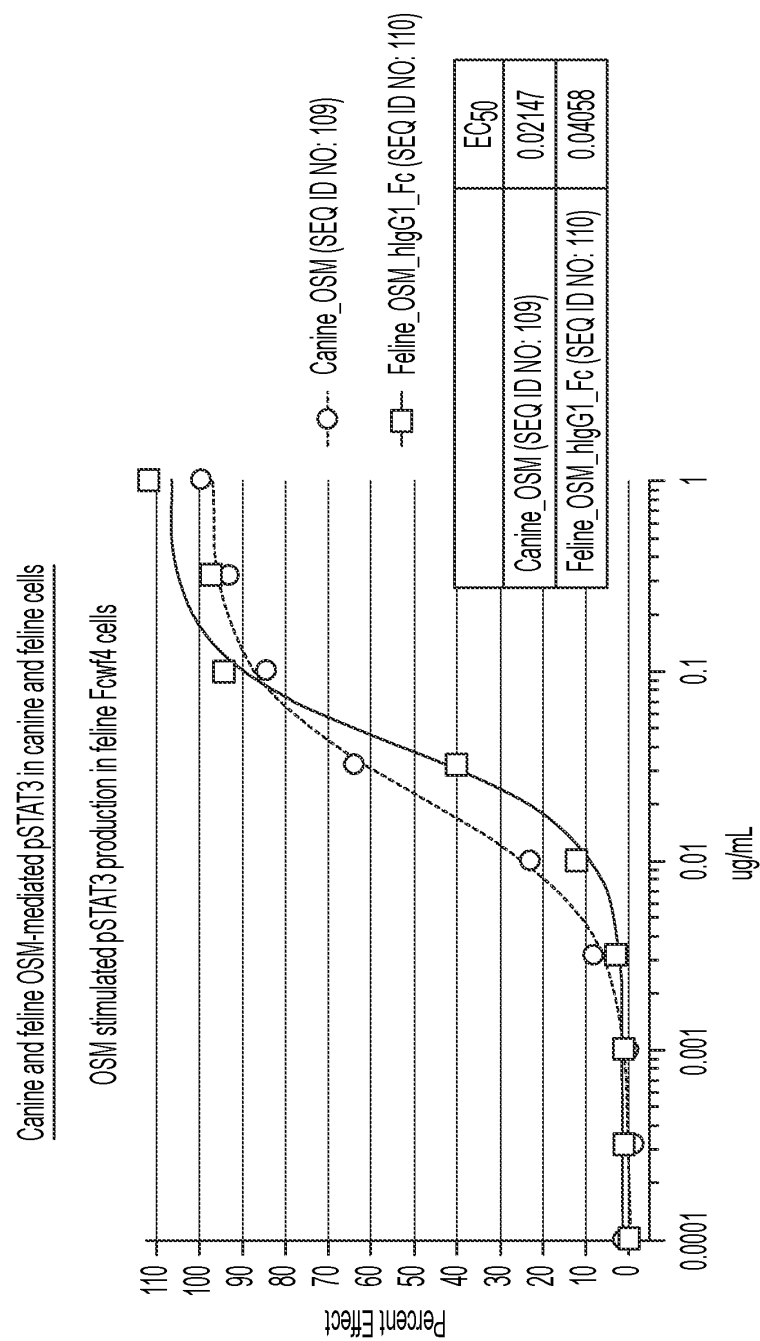


FIG. 1B

Selection process for identifying anti canine and/or feline OSMR antibodies

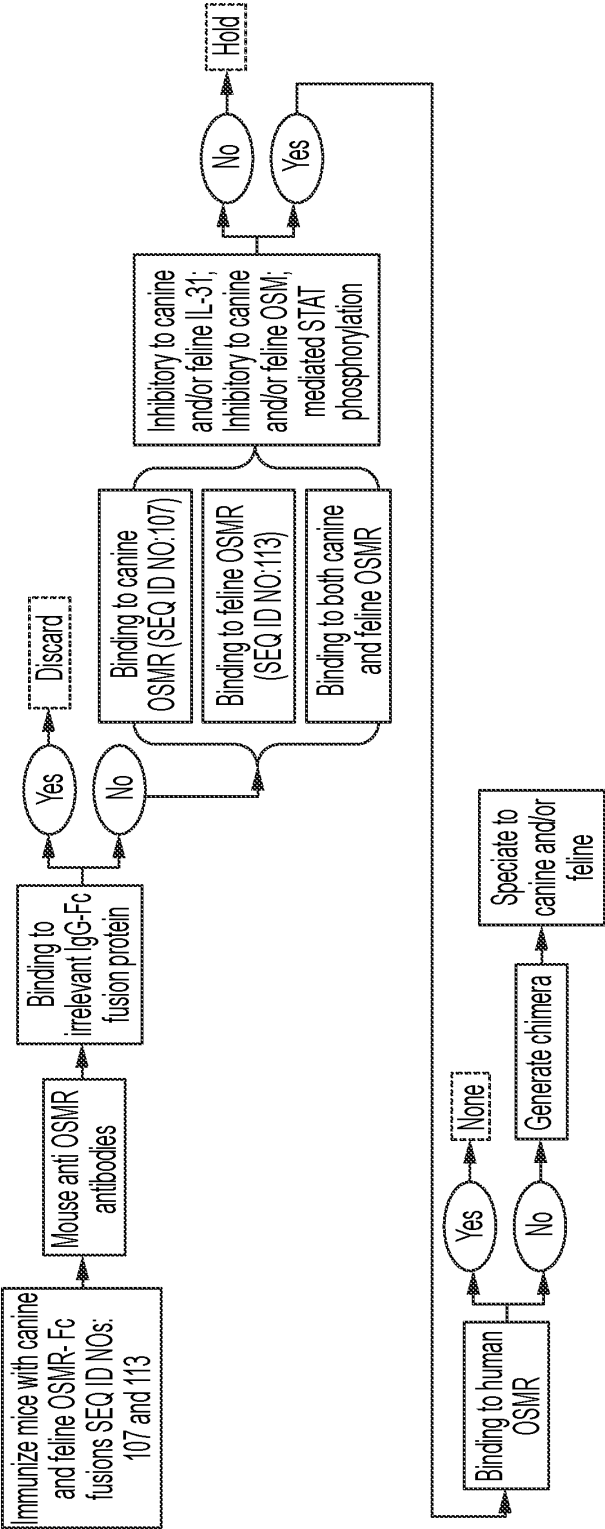


FIG. 2

Alignment of mouse anti canine and anti feline OSMR mAb variable domains

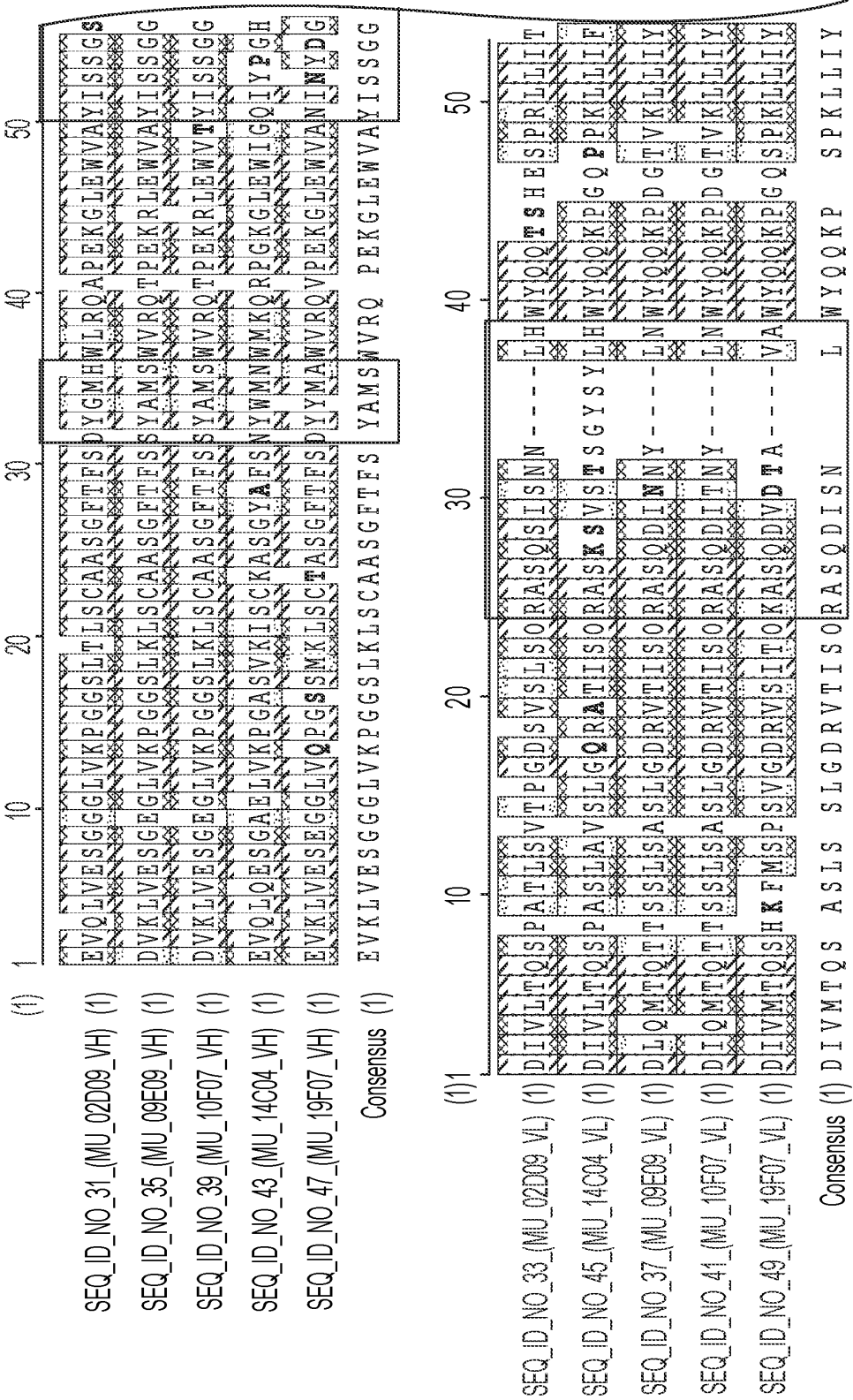


FIG. 3

60	RAVFFADTVKGRFTISRDN	AKNTLFLQMTSLRSDD	TAMYYCARD	RYDGR--G	FAYWGOGTLVTVSA	121														
	DYIYYADTVKGRFTISRDN	ARNLTLYLQMSLKS	EDTAMYYCTRD	PITG---	TAYWGOGTLVTVSA															
	DYFYADTVKGRFTISRDN	ARNLTLYLQMSLKS	EDTAMYYCTRD	PITG---	TAYWGOGTLVTVSA															
	VNTNYNGNFKDKATLTADKSS	TAYMQLSLTS	EDSAVYFCAR	SADNSGFVL	FAYWGOGTLVTVS-															
	SSTYYLDSLKSREFIISRDN	AKNTLYLQMSLKS	EDTATYYCAR	GLTWD---	FVWGTCITVTVSS															
	YYADTVKGRFTISRDN	AKNTLYLQMSLKS	EDTAMYYCARD	G	FAYWGOGTLVTVSA															
60	YASQISGIPSRFS	GS	SGTGDTFTLS	INSVET	EDTGMYYFOQQ	SN	SW	PL	TF	GA	GT	KL	EL	K	111					
	LASNLES	SGV	PARFS	GS	SGTGDTFTLN	IHPVEE	ED	AATYYOQ	HS	REL	PL	TF	GA	GT	KL	EL	K	100		
	YTSTLHSGVPS	RFS	GS	SGTGDTFTLS	LTISNLEQ	ED	IATYYFOQQ	GN	TL	PW	TF	GG	GT	KL	EL	K	90			
	YTSTLHSGVPS	RFS	GS	SGTGDTFTLS	LTISNLEQ	ED	IATYYFOQQ	GH	ML	PW	TF	GG	GT	KL	EL	K	80			
	LASTRHTGVPPD	RFT	GS	SGTGDTFTLT	ISNVQ	ED	LA	DY	FO	QQ	YS	R	PL	TF	GA	GT	KL	EL	K	70
	YASTLHSGVPS	RFS	GS	SGTGDTFTLT	ISNVE	ED	IATYYFOQQ	LPL	TF	GA	GT	KL	EL	K	60					

FIG. 3
CONTINUED

Pairwise comparison of the CDR structures from 5 mouse anti-OSMR antibodies

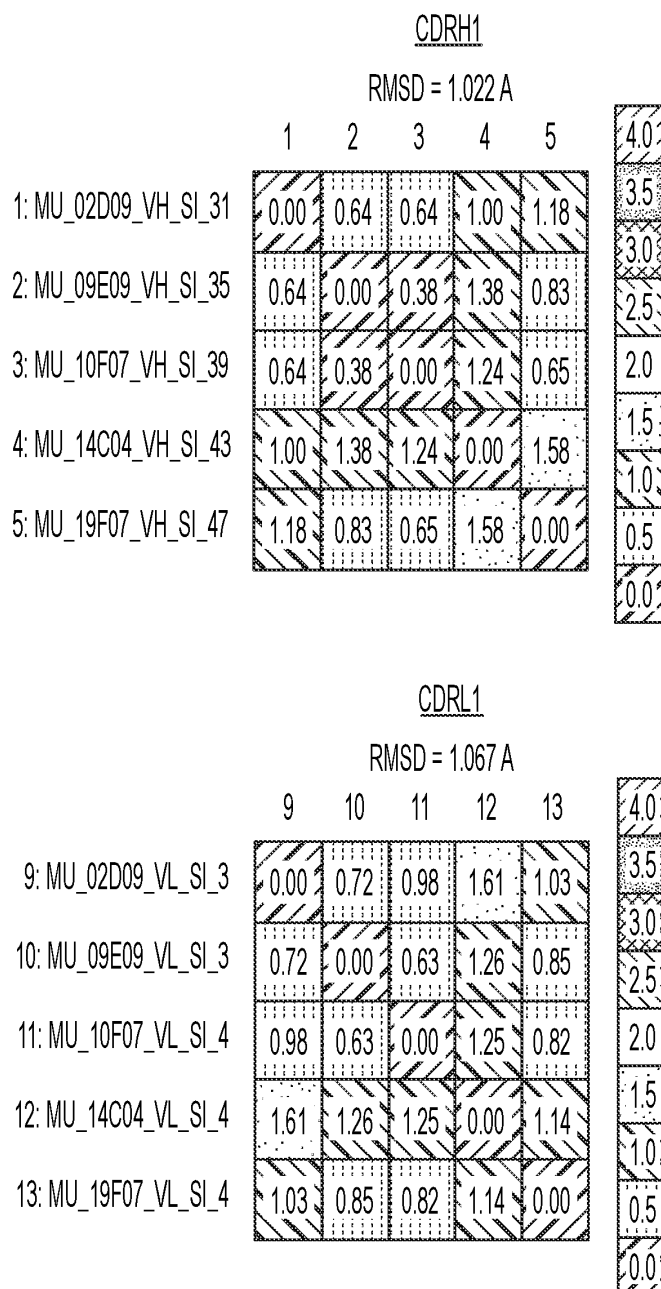


FIG. 4

Pairwise comparison of the CDR structures from 5 mouse anti-OSMR antibodies

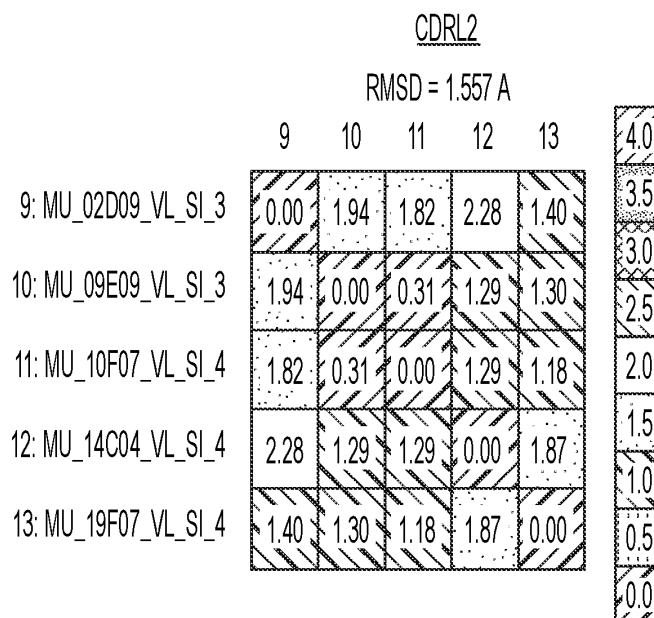
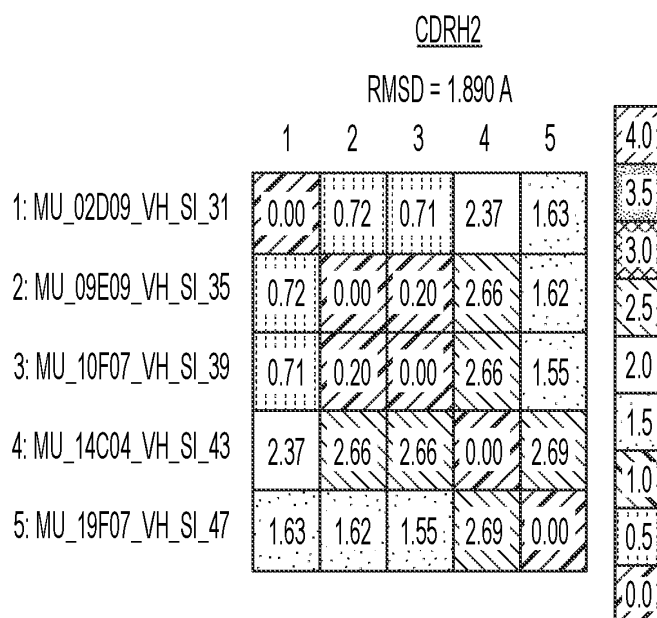


FIG. 4 CONT.

Pairwise comparison of the CDR structures from 5 mouse anti-OSMR antibodies

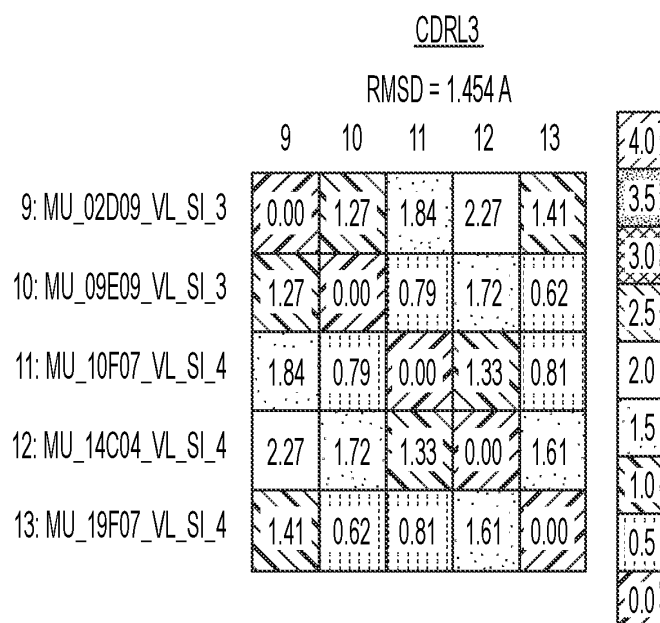
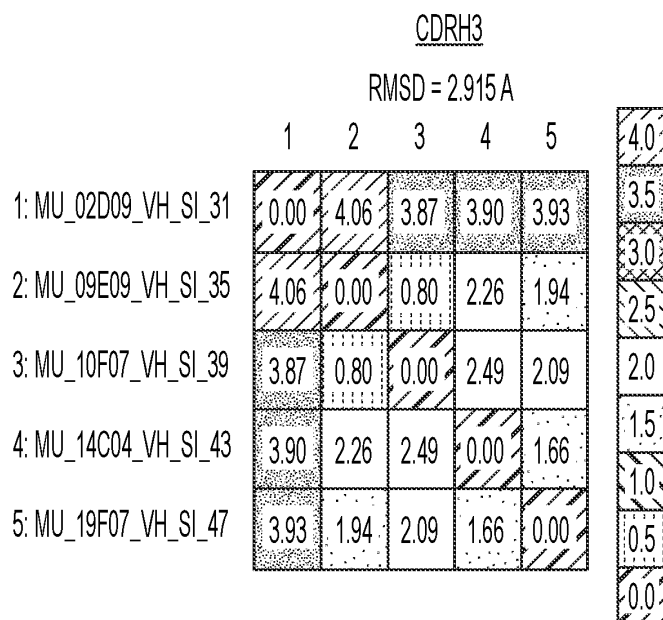


FIG. 4 CONT.

Homology model of canine OSM bound to canine OSMR

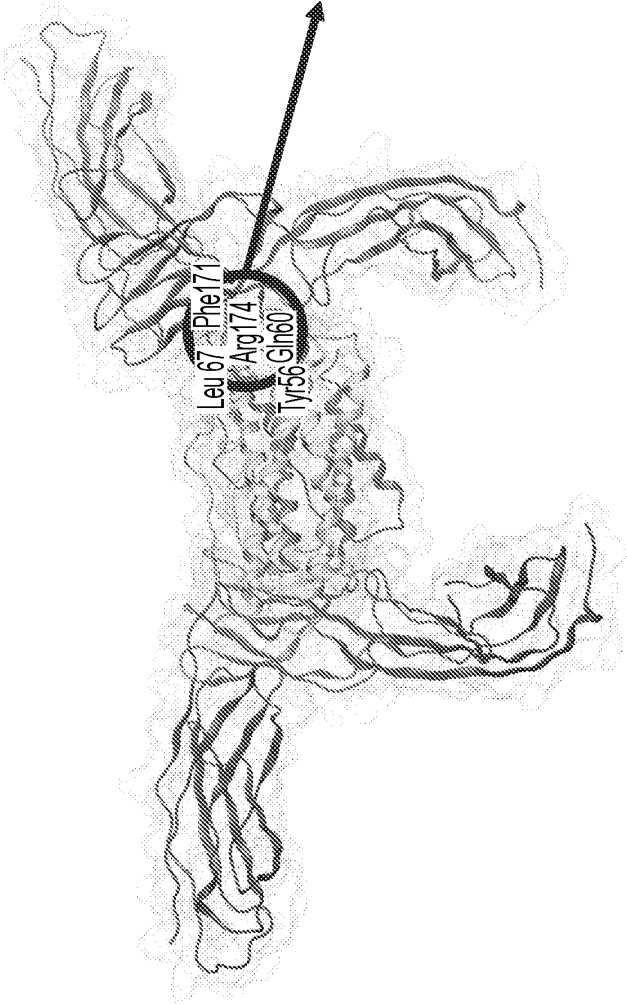


FIG. 5A

Amplified binding site

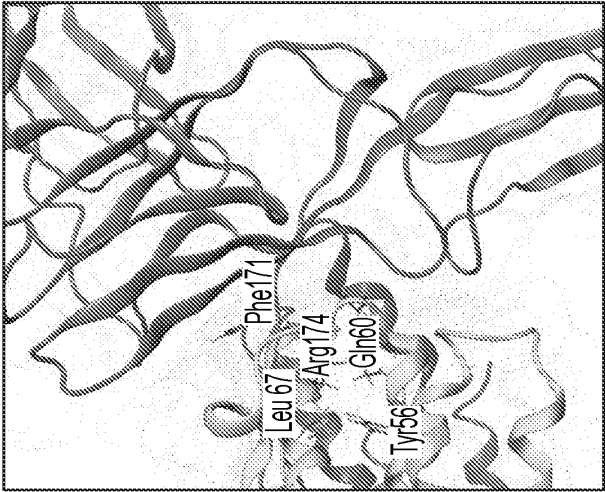


FIG. 5B

Mapping of anti OSMR antibodies on canine and feline OSMR using structure and function

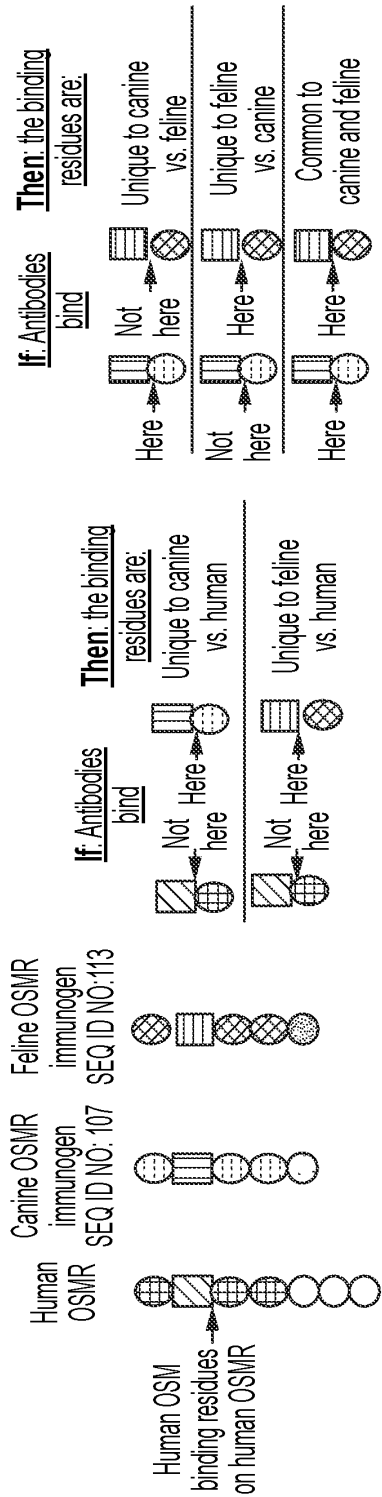


FIG. 6

Expression of OSMR mRNA in control (normal) vs. diseased (allergic) cat skin biopsies using ISH

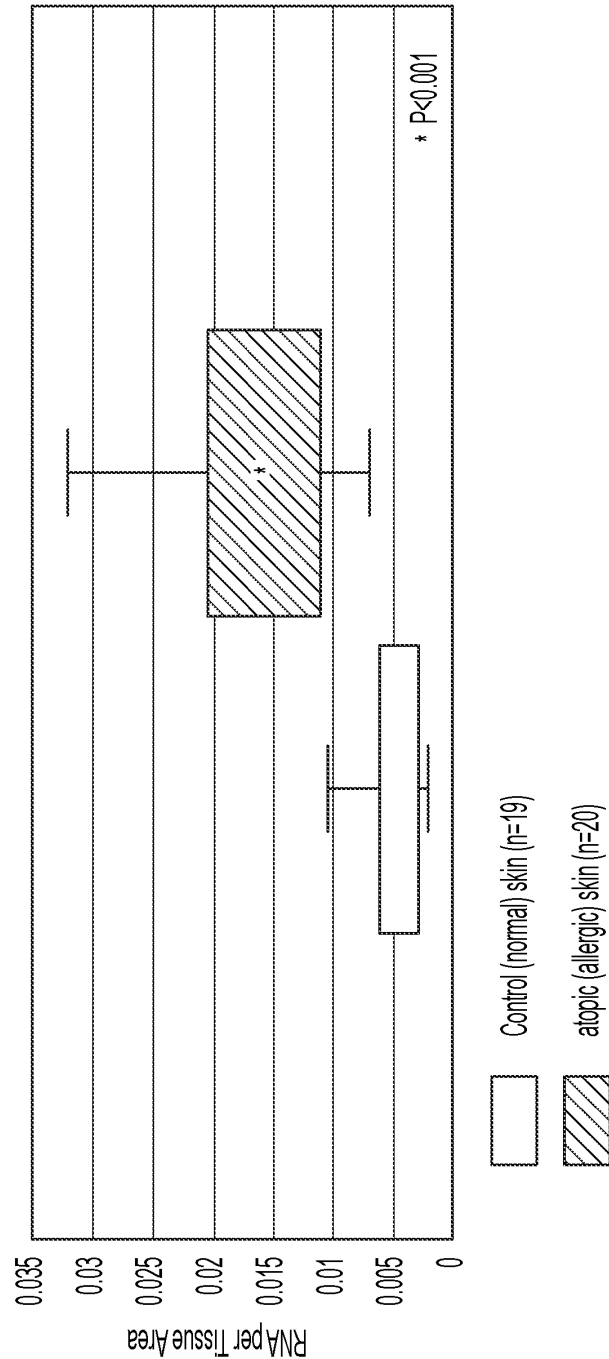
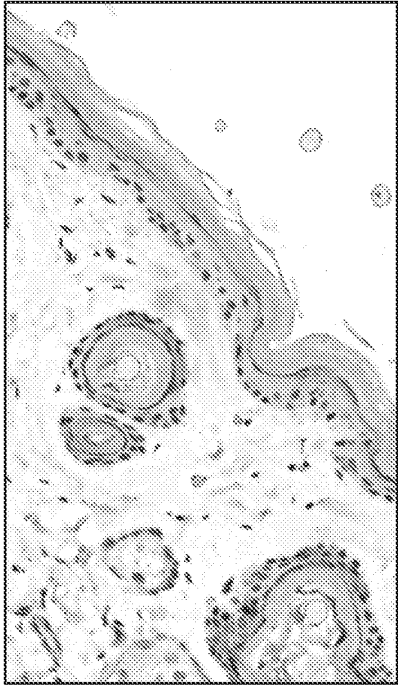


FIG. 7

Expression of OSMR protein in control (normal) and diseased (allergic) cat skin biopsies using IHC

Control (non-allergic feline skin)

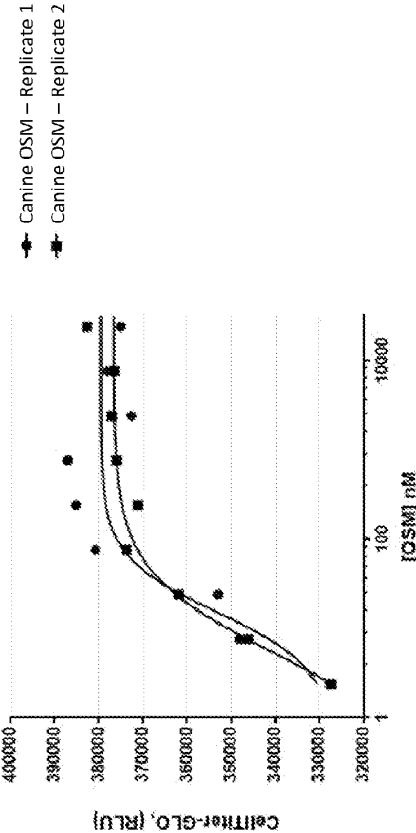


Diseased (allergic feline skin)



FIG. 8

Proliferation of Canine Synoviocytes Induced by Canine OSM (SEQ ID NO: 109)



B. Inhibition of Canine OSM (SEQ ID NO:109) In Proliferation of Canine Synoviocytes

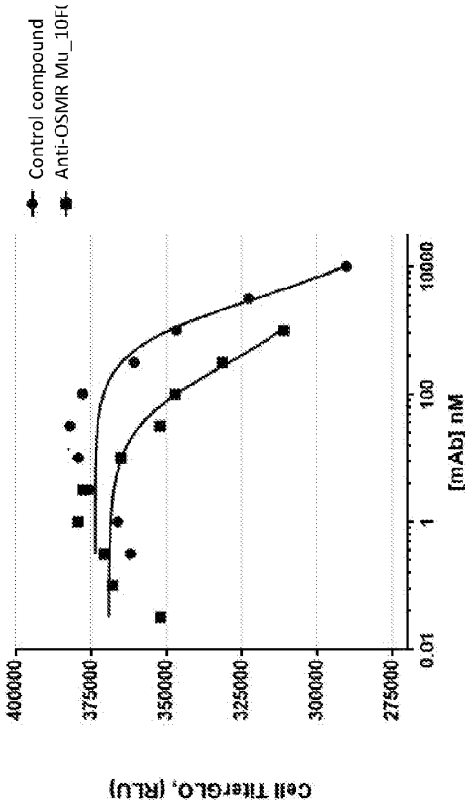
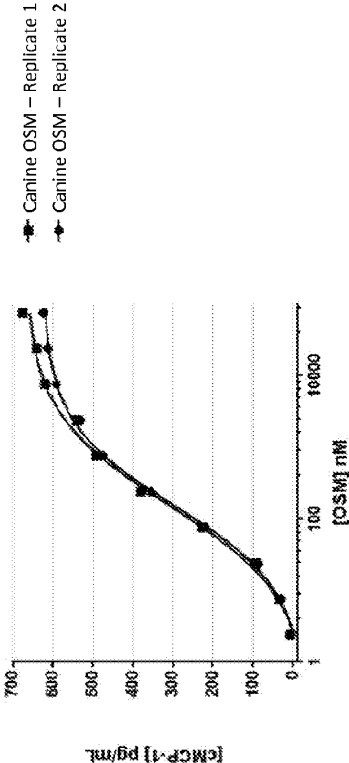


FIG. 9

A. Canine OSM (SEQ ID NO: 109) Induction of MCP-1 in Canine Synoviocytes



B. Inhibition of Canine OSM (SEQ ID NO: 109) In MCP-1 in Canine Synoviocytes

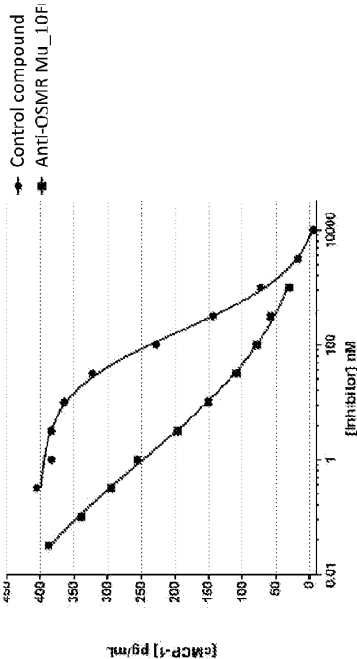


FIG. 10

Canine OSM (SEQ ID NO: 109) Induced Production
of MCP-1 in Primary Canine Renal Fibroblasts

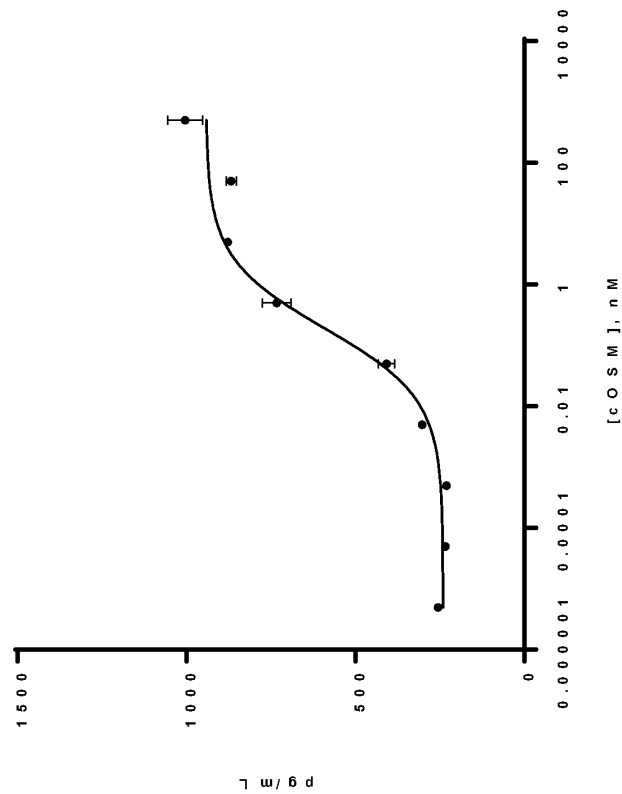
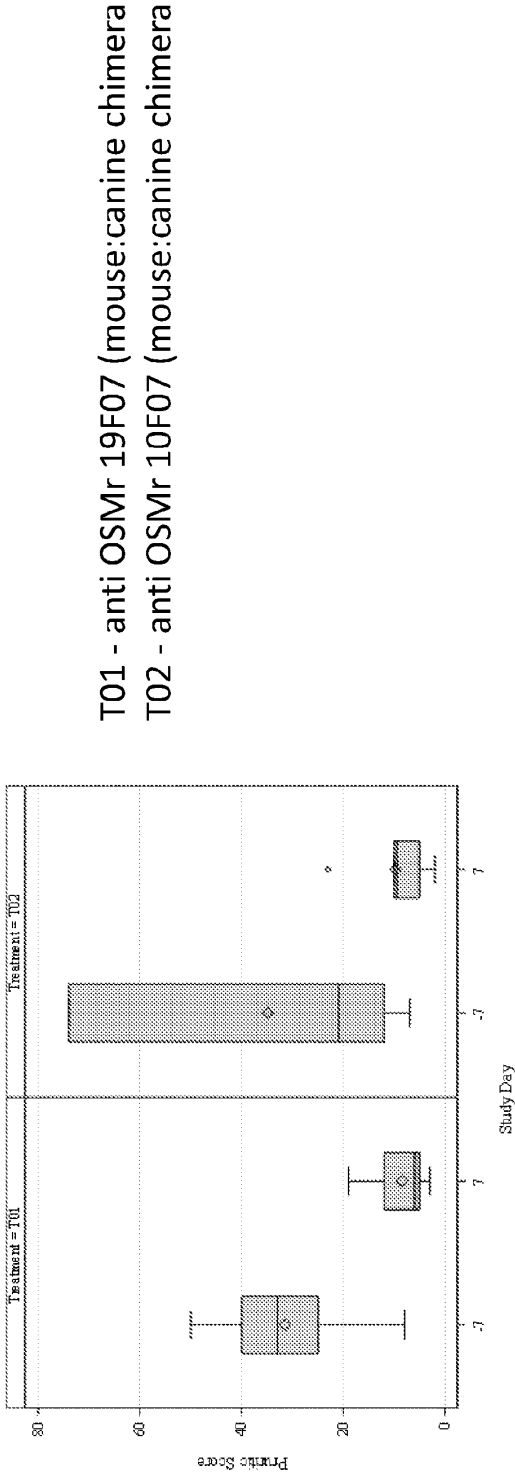


FIG. 11

A. Evaluation of Anti-Canine OSMR Chimeric Antibodies in a Canine Model of IL-31-Induced Pruritus



B. Mean and 90% confidence limits

treatment number	number of animals	paired difference mean	standard error	90% confidence lower limit	90% confidence upper limit	t-value	df	p-value	range	significant at alpha=0.10 (1)
T01	6	23.0	8.81	5.2	40.8	2.61	5	0.0477	2 to 38	*
T02	6	25.0	8.81	7.2	42.8	2.84	5	0.0364	2 to 64	*

FIG. 12