Narrative-based computational modelling of the Gp130/JAK/STAT signalling pathway

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name	descr	site	site_state	site_act	state	state_act	comp	comp_act	init_amount	rel
LIF	ligand				**bound**	**false**	1	**true**	3000	100%
OSM	ligand				**bound**	**false**	1	**true**	3000	100%
gp130	receptor	LIF OSM Y767 Y814 Y905 Y915 SOCS3 typeI typeII	**bound** **bound** **phospho** **phospho** **phospho** **phospho** **bound** **dimer** **dimer**	**false** **false** **false** **false** **false** **false** **false** **false** **false**	**bound**	**false**	2	**true**	1000	50%
LIFR	receptor	LIF OSM Y981 Y1001 Y1028 SOCS3	**bound** **bound** **phospho** **phospho** **phospho** **bound**	**false** **false** **false** **false** **false** **false**	**bound** **dimer**	**false** **false**	2	**true**	1000	50%
OSMR	receptor	OSM Y917 Y945 SOCS3	**bound** **phospho** **phospho** **bound**	**false** **false** **false** **false**	**bound** **dimer**	**false** **false**	2	**true**	1000	50%
STAT3	effector	Y705 gp130 LIFR OSMR PIAS3	**phospho** **bound** **bound** **bound** **bound**	**false** **false** **false** **false** **false**	**dimer**	**false**	3 4	**true** **false**	3000	30%
SOCS3	inhibitor				**bound**	**false**	3	**true**	0	100%
PIAS3	inhibitor				**bound**	**false**	4	**true**	1000	20%