

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

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id	description	react	alt
LIF-gp130 binding			
1	if gp130.LIF is not bound and LIF is not bound and gp130.typeI is not dimer and gp130.typeII is not dimer then LIF binds gp130 on LIF	1	
2	if gp130.LIF is bound and LIF is bound and gp130.typeI is not dimer and gp130.typeII is not dimer and gp130.Y767 is not phospho then LIF unbinds gp130 on LIF	2	
LIF-LIFR binding			
3	if LIFR.LIF is not bound and LIF is not bound and LIFR is not dimer then LIF binds LIFR on LIF	3	
4	if LIFR.LIF is bound and LIF is bound and LIFR is not dimer and LIFR.Y981 is not phospho then LIF unbinds LIFR on LIF	4	
OSM-gp130 binding			
5	if gp130.OSM is not bound and OSM is not bound and gp130.typeI is not dimer and gp130.typeII is not dimer then OSM binds gp130 on OSM	5	1
6	if gp130.OSM is bound and OSM is bound and gp130.typeI is not dimer and gp130.typeII is not dimer and gp130.Y767 is not phospho then OSM unbinds gp130 on OSM	6	
OSM-LIFR binding			
7	if LIFR.OSM is not bound and OSM is not bound and LIFR is not dimer then OSM binds LIFR on OSM	7	3
8	if LIFR.OSM is bound and OSM is bound and LIFR is not dimer and LIFR.Y981 is not phospho then OSM unbinds LIFR on OSM	8	
OSM-OSMR binding			
9	if OSMR.OSM is not bound and OSM is not bound and OSMR is not dimer then OSM binds OSMR on OSM	9	
10	if OSMR.OSM is bound and OSM is bound and OSMR is not dimer and OSMR.Y917 is not phospho then OSM unbinds OSMR on OSM	10	