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

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id	description	react	alt
	LIF pathway \rightarrow type I receptor gp130:LIFR		
11	if gp130.LIF is bound and LIFR.LIF is not bound and gp130.OSM is not	11	2
	bound and LIFR.OSM is not bound and LIFR is not dimer and gp130.typeI		
	is not dimer and gp130.typeII is not dimer then LIFR dimerizes with gp130		
	on typeI		
12	if gp130.LIF is bound and LIFR.LIF is not bound and gp130.OSM is not	12	
	bound and LIFR.OSM is not bound and LIFR is dimer and gp130.typeI is		
	dimer and gp130.typeII is not dimer and LIFR.Y981 is not phospho and		
	gp130.Y767 is not phospho then LIFR dedimerizes from gp130 on typeI		
	if LIFR.LIF is bound and gp130.LIF is not bound and LIFR.OSM is not	11	4
	bound and gp130.OSM is not bound and LIFR is not dimer and		
	gp130.typeI is not dimer and gp130.typeII is not dimer then LIFR		
	dimerizes with gp130 on typeI		
	if LIFR.LIF is bound and gp130.LIF is not bound and LIFR.OSM is not	12	
	bound and gp130.OSM is not bound and LIFR is dimer and gp130.typeI is		
	dimer and gp130.typeII is not dimer and LIFR.Y981 is not phospho and		
	gp130.Y767 is not phospho then LIFR dedimerizes from gp130 on typeI		
	OSM pathway → type I receptor gp130:LIFR		
15	if gp130.OSM is bound and LIFR.OSM is not bound and gp130.LIF is not	11	6
	bound and LIFR.LIF is not bound and LIFR is not dimer and gp130.typeI	11	
	is not dimer and gp130.typeII is not dimer then LIFR dimerizes with gp130		
	on typeI		
	• •	12	
	if gp130.OSM is bound and LIFR.OSM is not bound and gp130.LIF is not	12	
	bound and LIFR.LIF is not bound and LIFR is dimer and gp130.typeI is		
	dimer and gp130.typeII is not dimer and LIFR.Y981 is not phospho and		
	gp130.Y767 is not phospho then LIFR dedimerizes from gp130 on typeI	11	8
	if LIFR.OSM is bound and gp130.OSM is not bound and LIFR.LIF is not	11	ð
	bound and gp130.LIF is not bound and LIFR is not dimer and gp130.typeI		
	is not dimer and gp130.typeII is not dimer then LIFR dimerizes with gp130		
	on typeI	10	
	if LIFR.OSM is bound and gp130.OSM is not bound and LIFR.LIF is not	12	
	bound and gp130.LIF is not bound and LIFR is dimer and gp130.typeI is		
	dimer and gp130.typeII is not dimer and LIFR.Y981 is not phospho and		
	gp130.Y767 is not phospho then LIFR dedimerizes from gp130 on typeI		
	OSM pathway → type II receptor gp130:OSMR		
	if gp130.OSM is bound and OSMR.OSM is not bound and gp130.LIF is not	11	6
	bound and OSMR.LIF is not bound and OSMR is not dimer and		
	gp130.typeI is not dimer and gp130.typeII is not dimer then OSMR		
	dimerizes with gp130 on typeII		
	if gp130.OSM is bound and OSMR.OSM is not bound and gp130.LIF is not	12	
	bound and OSMR.LIF is not bound and OSMR is dimer and gp130.typeI is		
	not dimer and gp130.typeII is dimer and OSMR.Y917 is not phospho and		
	gp130.Y767 is not phospho then OSMR dedimerizes from gp130 on typeII		
21	if OSMR.OSM is bound and gp130.OSM is not bound and OSMR.LIF is	11	10
	not bound and gp130.LIF is not bound and OSMR is not dimer and		
	gp130.typeI is not dimer and gp130.typeII is not dimer then OSMR		
	dimerizes with gp130 on typeII		
22	if OSMR.OSM is bound and gp130.OSM is not bound and OSMR.LIF is	12	
	not bound and gp130.LIF is not bound and OSMR is dimer and		
	gp130.typeI is not dimer and gp130.typeII is dimer and OSMR.Y917 is not		
	phospho and gp130.Y767 is not phospho then OSMR dedimerizes from		
	gp130 on typeII		
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