Figure	Title	Status	Comment/problems
1	Phosphorylation profile of Epo-induced EpoR-JAK2-STAT5 signaling in the presence or absence of actinomycin D	Not selected	
2	Mathematical model of dual negative feedback regulation of JAK-STAT5 signaling.	Not selected	
3	Model calibration with experimental data of JAK-STAT5-signaling obtained by different experimental techniques.	Partially reproduced	tSTAT5 not defined in model
4	Experimental data of JAK2-STAT5 signaling under perturbed conditions used for model calibration.	Partially reproduced	pJAK2, pEPOR, SHP1oe not defined in model
5	Linking the integral response of phosphorylated STAT5 in the nucleus to the survival rate of CFU-E cells.	Fig5A partially reproduced	Unclear how to simulate Epo level
6	Dual negative feedback with divided function in JAK-STAT5 signaling.	Fig6A not reproduced	Unclear how to simulate knockout and Epo level
S9	Simulation of the effect of extrinsic noise on the model dynamics.	Reproduced	

Table 1: Selection of experiments for the generation of SED-ML files