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| **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