**Table S1. Antibodies used in chromatin immunoprecipitation assays**

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| --- | --- | --- | --- | --- | --- |
| Antigen | Clone No | Source | Type | Amount*a b* | Dynabead*c* |
| FLAG | M2/F3165 | Sigma | Mouse monoclonal | 6 μg | Protein A/G |
| Normal mouse IgG  (negative control) | 100005292 | Invitrogen | Mouse polyclonal | 2.5-6 μg | Protein A/G |
| Normal rabbit IgG  (negative control) | 100005291 | Invitrogen | Rabbit polyclonal | 1 μg | Protein A/G |
| Normal rat IgG  (negative control) | NI04 | Millipore | Rat polyclonal | 5 μg | Protein G |
| RNAP II, CTD phosphorylated Ser2 (pSer2) | ab5095 | Abcam | Rabbit polyclonal | 1 μg | Protein A/G |
| RNAP II, CTD phosphorylated Ser5 (pSer5) | 3E8 | Millipore | Rat monoclonal | 5 μg | Protein G |
| RNAP II  unphosphorylated CTD | 8WG16 | Abcam | Mouse monoclonal | 2.5 μg | Protein A/G |
| RNAP II, total | N-20 | Santa Cruz | Rabbit polyclonal | 1 μg | Protein A/G |

*a* Amount of antibody used in a 2.5×105-cell sample.

*b* 2.5 μg and 6 μg of normal mouse IgG were used as the negative control for mouse 8WG16 and FLAG antibodies, respectively.

*c* Type of Fc-binding proteins conjugated to Dynabeads.