

SUPPLEMENTARY TABLE S2. THE GENES OF THE 36 GENE PANEL BELONGING TO THE TARGETED CATEGORY OF THE STEM CELL-RELATED GENE SETS

| <i>Gene symbol</i> | <i>Targets</i> | | | | | |
|--------------------|----------------|---------------|--------------|--------------|--------------|--------------|
| DTNA | Nanog targets | Oct4 targets | Sox2 targets | NOS targets | | |
| EIF4E | Myc targets1 | | | | | |
| ELAVL1 | Eed targets | | | | | |
| GAP43 | Oct4 targets | | | | | |
| KCNMA1 | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |
| ADAM22 | Myc targets2 | | | | | |
| CADM4 | H3K27 bound | | | | | |
| DCLK1 | ES expl | Eed targets | H3K27 bound | | | |
| DPP6 | Suz12 targets | H3K27 bound | | | | |
| GLT25D2 | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |
| GNAO1 | H3K27 bound | | | | | |
| INA | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |
| KCNMB4 | Oct4 targets | Sox2 targets | | | | |
| NEFM | Oct4 targets | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | Myc targets1 |
| NTRK2 | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |
| NTRK3 | Suz12 targets | | | | | |
| SCG3 | Sox2 targets | | | | | |
| SLC44A1 | Nanog targets | Oct4 targets | Sox2 targets | NOS targets | | |
| SLITRK5 | Suz12 targets | | | | | |
| SOX2 | ES expl | Nanog targets | Oct4 targets | Sox2 targets | NOS targets | NOS TFs |
| STMN2 | Oct4 targets | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | |
| ZNF365 | Suz12 targets | Eed targets | | | | |
| FGFR2 | Nanog targets | Oct4 targets | Sox2 targets | NOS targets | | |
| GRM3 | Eed targets | | | | | |
| KCNA1 | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |
| MT3 | H3K27 bound | Myc targets2 | | | | |
| FUT9 | H3K27 bound | | | | | |
| GPM6B | ES expl | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | |
| GRIA2 | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |
| NEFL | Oct4 targets | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | |
| NKX2-2 | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |
| PDE4DIP | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |
| PLLP | H3K27 bound | | | | | |
| OU3F2 | Eed targets | H3K27 bound | | | | |
| RAB33A | Suz12 targets | H3K27 bound | | | | |
| TMEM59L | Suz12 targets | Eed targets | H3K27 bound | PRC2 targets | | |