

Supplemental Table S1

List of antibodies used in this study

| Name | Catalog number | Purpose | Dilution |
|------------------------------------|--|--------------------|----------|
| BV421 anti-human/mouse ITGA6 | BioLegend Cat# 313624 | FACS | 1:60 |
| 488 anti-human EPCAM | BioLegend Cat# 324210 | FACS | 1:60 |
| APC anti-human EPCAM | BioLegend Cat# 324208 | FACS | 1:60 |
| PE anti-human TNAP | BD Pharmingen Cat# 561433 | FACS | 1:60 |
| APC anti-human cKIT | BD Pharmingen Cat# 550412 | FACS | 1:60 |
| Rabbit anti-human EPCAM | Abcam Cat# ab71916, | Immunofluorescence | 1:50 |
| Goat anti-human VASA | R&D Systems, Cat# AF2030 | Immunofluorescence | 1:20 |
| Rabbit anti-human cKIT | DAKO Cat# A4502 | Immunofluorescence | 1:100 |
| Goat anti-human OCT4 | Santa Cruz Biotechnology Cat# sc-8628x | Immunofluorescence | 1:100 |
| Rabbit anti-human PRDM1 | Cell Signaling Technology Cat# 9115 | Immunofluorescence | 1:100 |
| Mouse anti-human PRDM1 | R&D Systems Cat# MAB36081SP | Immunofluorescence | 1:100 |
| Rabbit anti-human TFAP2C | Santa Cruz Biotechnology Cat# sc-8977 | Immunofluorescence | 1:100 |
| Mouse anti-human TFAP2C | Santa Cruz Biotechnology Cat# sc12762 | Immunofluorescence | 1:100 |
| Rat anti-human ITGA6 | Santa Cruz Biotechnology Cat# sc-80554 | Immunofluorescence | 1:100 |
| Goat anti-human T | R&D Systems Cat# AF2085 | Immunofluorescence | 1:100 |
| Goat anti-human SOX17 | Neuromics Cat# GT15094 | Immunofluorescence | 1:100 |
| Rabbit anti-mouse EOMES | Abcam Cat# ab23345 | Immunofluorescence | 1:100 |
| Rabbit anti-human β -CATENIN | Cell Signaling Technology Cat# 9582 | Immunofluorescence | 1:100 |
| Rabbit anti-human pSMAD2/3 | Cell Signaling Technology Cat# 8828 | Immunofluorescence | 1:100 |