**Table S1. Antibodies used for immunofluorescence staining**

 **Primary antibodies**

|  |  |  |
| --- | --- | --- |
| **Antigen** | **Manufacturer** | **Catalog #** |
| FLAG MyoDPAX7Oct4NanogNanogSox2SSEA-1SSEA-4, FITC-labeledTRA-1-60, PE-labeled  | Sigma AldrichSanta Cruz BiotechnologyDevelopmental Studies Hybridoma BankSanta Cruz BiotechnologyR&D SystemsAbcamSanta Cruz BiotechnologyR&D SystemsBD BiosciencesBD Biosciences | F1804sc-304Nonesc-8628AF1997ab21624sc-17320FAB2155P560126560193 |

 **Secondary antibodies**

|  |  |  |
| --- | --- | --- |
| **Name** | **Manufacturer** | **Catalog #** |
| PE-labeled anti-mouse Ig(M+G)Alexa Fluor 488-labeled anti-mouse IgG Alexa Fluor 488-labeled anti-rabbit IgGAlexa Fluor 488-labeled anti-goat IgGAlexa Fluor 555-labeled anti-mouse IgGAlexa Fluor 555-labeled anti-rabbit IgGDyLight488-labeled anti-goat IgGCy3-labeled anti-goat IgG | BD BiosciencesInvitrogenInvitrogenInvitrogenInvitrogenInvitrogenJackson ImmunoResearchJackson ImmunoResearch | 550589A11029A11304A11055A21424A21429805-485-180805-165-180 |