**Table S2:** **mRNA expression profile of Ephs and ephrins in EphA3+eSCs.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **EphA2** | **EphA3** | **EphB2** | **EphB4** | **\*epnA1** | **epnA3** | **epnA4** | **epnA5** | **epnB2** |
| **γ20% O2****‡1% O2****§Change** | 34551.88159.4↓4.2 | 9.429.8↑3.2 | 121.626.1↓4.7 | 1291.2402.1↓3.2 | 1.03.3↑3.4 | 35.6254.8↑7.2 | 356.0276.5↓0.8 | 85.951.7↓1.3 | 712.8450.2↓1.6 |

The mRNA expression levels of indicated Ephs and ephrins (epn) in EphA3+eSCs, cultured under γnormoxic (20% O2) or ‡hypoxic (1% O2) conditions, were determined by qRT-PCR. \*The gene with the lowest mRNA expression is designated as calibrator (ephrinA1) with the value 1.0. §Fold relative changes of mRNA levels under hypoxic versus normoxic conditions for the indicated Ephs and ephrins are shown.