Stem cell autocrine CXCL12/CXCR4 stimulates invasion and metastasis of esophageal cancer

SUPPLEMENTARY TABLES AND FIGURES

Supplementary Table 1: Primers for selected genes

| Gene name | Primers | Product bp |
|-----------|---------|------------|
| CXCR4     | GGAGGGGATCAGTATATACA GAAGATGATGGAGTAGATGG | 145         |
| CXCL12    | GAGCCAACGTCAAGCATCTG CGGGTCAATGCACACTTGT | 227         |
| β-actin   | TGGAGAAGAGCTATGAGCTGCTG TGGCCACCAGACAGCCTCTG | 201         |
### Supplementary Table 2: Information about the esophageal cancer patients

| ID     | Sex | Age | Disease grade |
|--------|-----|-----|---------------|
| 01210262 | F   | 44  | Ia            |
| 01249260 | F   | 23  | Ia            |
| 05599012 | F   | 42  | Ia            |
| 03852213 | F   | 36  | Ib            |
| 04192631 | M   | 46  | Ib            |
| 04571312 | F   | 56  | Ib            |
| 04172547 | F   | 44  | IIA           |
| 02017530 | M   | 31  | IIA           |
| 04025749 | M   | 54  | IIA           |
| 02902032 | F   | 60  | IIb           |
| 04977667 | M   | 55  | IIIa          |
| 03034475 | M   | 52  | IIA           |
| 04094354 | F   | 49  | IIA           |
| 01220214 | F   | 35  | IIIa          |
| 03885259 | M   | 47  | IIA           |
| 02096126 | M   | 68  | IIA           |
Supplementary Figure 1: A. A morphological image of ECSCs cells transfected with shCXCR4 or empty lentiviral vectors. B. Flow cytometric analysis of GFP expression in ECSCs transduced with vector or shCXCR4. C. Flow cytometric analysis of CXCR4 expression in ECSCs transduced with vector or shCXCR4.
Supplementary Figure 2: A. A morphological image of ECSCs cells transfected with shCXCL12 or empty lentiviral vectors. B. Flow cytometric analysis of GFP expression in ECSCs transduced with vector or shCXCL12. C. ELISA analysis of CXCL12 expression in ECSCs transduced with vector or shCXCL12. Statistically-significant differences were determined using an unpaired Student’s t-test, **p<0.01.