Supplementary Figure 1. Normalization of gene expression. (A) The normalization of GSE63514 data, (B) The normalization of GSE27678 data, and (C) The normalization of GSE6791 data.
Supplementary Table 1. Genome-wide analysis of gene expression in cervical squamous carcinoma compared to that in normal cervical mucosa (GSE64217)

| ID          | adj.P.Val | logFC | Gene.symbol | Gene.title                                                                 |
|-------------|-----------|-------|-------------|-----------------------------------------------------------------------------|
| ILMN_1767351| 0.0318    | -1.47 | AR          | androgen receptor                                                          |
| ILMN_1771599| 0.0143    | 2.32  | PLOD2       | procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2                           |
| ILMN_1739645| 0.016     | 2.09  | ANLN        | anillin actin binding protein                                               |
| ILMN_1680955| 0.0146    | 2.35  | AURKA       | aurora kinase A                                                             |

Supplementary Table 2. The percentage of CC patients that have a worse overall survival.

| Gene.symbol | Number of patients with high expression level | Number of patients with low expression level | Percentage of patients with worse prognosis |
|-------------|-----------------------------------------------|--------------------------------------------|-------------------------------------------|
| PLOD2       | 97                                            | 207                                        | 31.90%                                    |
| ANLN        | 81                                            | 223                                        | 26.60%                                    |
| AURKA       | 212                                           | 92                                         | 69.70%                                    |
| AR          | 186                                           | 118                                        | 38.80%                                    |