**Additional file 2: Table S2.** List of proteins present in CTB-, AV-EVs and crude plasma of complete responders HNSCC patients. Mean of relative expression was normalized using GenePix Pro 7 software (Molecular Devices). Gene Set Enrichment Analysis (GSEA) algorithm was performed to identify proteins positively related to cancer (+).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Proteins** | **Full Protein Name** | **Swissprot** **No.** | **Relative** **Expression** |  | **Pathway in Cancer - GSEA** |
| **CTB-EVs** |  |  |  |  |  |  |  |
| ANGPT1 | Angiopoietin-1 | Q15389 | 4.0 |  | - |  |
| BAX | Apoptosis regulator BAX | Q07812 | 21 |  | + |
| CAD | CAD protein | P27708 | 5.0 |  | - |
| CDH3 | Cadherin-3 | P22223 | 5.0 |  | - |
| CASP3 | Caspase-3 | P42574 | 21.0 |  | + |
| CREB1 | Cyclic AMP-responsive element-binding protein 1 | P16220 | 6.5 |  | + |
| GABRB1 | Gamma-aminobutyric acid receptor subunit beta-1 | P18505 | 4.0 |  | - |
| HDAC1 | Histone deacetylase 1 | Q13547 | 7.5 |  | + |
| KRT16 | Keratin, type I cytoskeletal 16 | P08779 | 4.5 |  | - |
| NGFR | Tumor necrosis factor receptor superfamily member 16 | P08138 | 4.5 |  | - |
| PRCC | Proline-rich protein PRCC | Q92733 | 13.0 |  | - |
| SLC2A1 | Solute carrier family 2, facilitated glucose transporter member 1 | P11166 | 6.0 |  | + |
| TNFSF11 | Tumor necrosis factor ligand superfamily member 11 | O14788 | 4.0 |  | - |  |
| TP73 | Tumor protein p73 | O15350 | 62.5 |  | + |  |
| TXNRD2 | Thioredoxin reductase 2, mitochondrial | Q9NNW7 | 4.0 |  | - |  |
|  |  |  |  |  |  |  |
| **AV-EVs** |  |  |  |  |  |  |  |
| BRCA2 | Breast cancer type 2 susceptibility protein | P51587 |  | 6.0 |  | + |
| CCNC | Cyclin-C | P24863 |  | 19.0 |  | - |
| CFTR | Cystic fibrosis transmembrane conductance regulator | P13569 |  | 11.0 |  | - |
| EGFR | Epidermal growth factor receptor | P00533 |  | 16.5 |  | + |
| ESR1 | Estrogen receptor | P03372 |  | 6.5 |  | - |
| FLG | Filaggrin | P20930 |  | 7.0 |  | - |
| GRIA1 | Glutamate receptor 1 | P42261 |  | 15.5 |  | - |
| IKBKB | Inhibitor of nuclear factor kappa-B kinase subunit beta | O14920 |  | 11.0 |  | + |
| INS | Insulin | P01308 |  | 11.0 |  | + |
| MAP3K | Mitogen-activated protein kinase kinase kinase 1 | Q13233 |  | 8.0 |  | - |
| MUC1 | Mucin-1 | P15941 |  | 7.5 |  | - |
| MVP | Major vault protein | Q14764 |  | 17.5 |  | - |
| ODC1 | Ornithine decarboxylase | P11926 |  | 9.0 |  | - |
| PAWR | PRKC apoptosis WT1 regulator protein | Q96IZ0 |  | 6.5 |  | - |
| STAT1 | Signal transducer and activator of transcription 1-alpha/beta | P42224 |  | 7.5 |  | + |
| TPM1 | Tropomyosin alpha-1 chain | P09493 |  | 17.5 |  | - |
|  |  |  |  |  |  |  |  |
| **Crude Plasma** |  |  |  |  |  |
| BAG1 | BAG family molecular chaperone regulator 1 | Q99933  | 290.0 |  |  + |
| CHEK1 | Serine/threonine-protein kinase Chk1 | O14757 | 221.5 |  | + |
| IVL | Involucrin | P07476 | 193.5 |  | - |
| TNFRSF10B | Tumor necrosis factor receptor superfamily member 10B | O14763 | 172.5 |  | + |
| TRAP1 | Heat shock protein 75 kDa, mitochondrial | Q12931 | 120.0 |  | - |
| VCL | Vinculin | P18206 | 240.0 |  | - |
|  |  |
| **CTB and AV-EVs** |  |  |  |  |
| SNAI1 | Zinc finger protein SNAI1 | O95863 | 5a,b |  | - |

Legend: CR (Complete Responder); aCTB-EVs; bAV-EVs