**Table S6: Analysis of copy number alterations of genes involved glycolysis, oxidative phosphorylation and hypoxia regulation in BE cell lines.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene Investigated | | | Cell line | | | |
| Gene Symbol | Gene name | Gene function | CP-A | CP-B | CP-C | CP-D |
| HK1 | hexokinase 1 | Glycolysis |  |  |  |  |
| HK2 | hexokinase 2 | Glycolysis |  |  |  |  |
| LDHA | lactate dehydrogenase A | Glycolysis |  |  | - | + |
| LDHB | lactate dehydrogenase B | Glycolysis | + |  |  | + |
| LDHC | lactate dehydrogenase C | Glycolysis |  |  | - | + |
| LDHD | lactate dehydrogenase D | Glycolysis |  |  |  | + |
| PFKL | phosphofructokinase, liver | Glycolysis |  |  | - | + |
| PFKM | phosphofructokinase, muscle | Glycolysis |  |  |  | + |
| PFKP | phosphofructokinase, platelet | Glycolysis |  |  |  |  |
| PGK1 | phosphoglycerate kinase 1 | Glycolysis |  |  |  | + |
| PGK2 | phosphoglycerate kinase 2 | Glycolysis | + | - |  | + |
| PKM2 | pyruvate kinase, muscle | Glycolysis |  |  |  | + |
| SLC2A1 | solute carrier family 2 (facilitated glucose transporter), member 1 | Glycolysis |  |  |  | + |
| PDHA2 | pyruvate dehydrogenase (lipoamide) alpha 2 | Regulation of Oxidative Phosphorylation |  | - | - |  |
| PDHB | pyruvate dehydrogenase (lipoamide) beta | Regulation of Oxidative Phosphorylation |  |  |  |  |
| PDHX | pyruvate dehydrogenase complex, component X | Regulation of Oxidative Phosphorylation |  |  | - | + |
| SCO2 | SCO cytochrome oxidase deficient homolog 2 (yeast) | Regulation of Oxidative Phosphorylation |  |  |  | + |
| ATPIF1 | ATPase inhibitory factor 1 | Regulation of ATPase |  |  |  | - |
| CA9 | carbonic anhydrase IX | Acid transporter |  |  | - | + |
| CA12 | carbonic anhydrase XII | Acid transporter |  |  |  |  |
| SLC9A1 | solute carrier family 9 (sodium/hydrogen exchanger), member 1 | Acid transporter |  |  | - |  |
| EPO | erythropoietin | Hypoxia resistance |  |  |  | + |
| HIF1A | hypoxia inducible factor 1, alpha subunit | Hypoxia resistance |  |  | - | - |
| HIF2A/EPAS1 | endothelial PAS domain protein 1 | Hypoxia resistance |  |  |  |  |
| HIF3A | hypoxia inducible factor 3, alpha subunit | Hypoxia resistance |  |  |  |  |
| P4HA1\* | prolyl 4-hydroxylase, alpha polypeptide I | Hypoxia resistance |  |  |  |  |
| P4HA2\* | prolyl 4-hydroxylase, alpha polypeptide II | Hypoxia resistance | + |  |  | + |
| P4HA3\* | prolyl 4-hydroxylase, alpha polypeptide III | Hypoxia resistance |  |  | - | + |
| VEGFA | vascular endothelial growth factor A | Hypoxia resistance |  |  |  | + |
| VEGFB | vascular endothelial growth factor B | Hypoxia resistance |  |  | - | + |
| VEGFC | vascular endothelial growth factor C | Hypoxia resistance |  | - | - |  |
| VHL | von Hippel-Lindau tumor suppressor | Hypoxia resistance |  |  |  |  |