

Supplementary Table 1. Examined genes arranged in groups by their main function (these functions may overlap between groups).

	Gene name	Encoded protein
Cell polarity genes	CRB3 PALS1/MPP5 PATJ/MUPP1 PAR3 PAR6 aPKC SCRIB LGL DLG1 LIN7A	Crumbs Cell Polarity Complex Component 3 Protein-Associated with Lin7 Pals1-Associated Tight Junction Protein Partitioning-Defective Protein 3 Partitioning-Defective Protein 6 Atypical protein Kinase C Protein Scribble Homolog Drosophila Lethal Giant Larvae Protein Homolog-1 Discs Large MAGUK Scaffold Protein 1 Lin7A Homolog Protein
Tight junction and cell adhesion genes	CLDN1 CLDN3 CLDN4 CLDN7 CLDN2 TJP1/ZO1 TJP2/ZO2 TJP3 MARVELD2/TRIC F11R/JAMA JAM2 JAM3 CDH1 OCLN ITGA1 ITGB3	Claudin-1 Claudin-3 Claudin-4 Claudin-7 Claudin-2 Tight Junction protein-1/Zonula occludens-1 Tight Junction protein-2/Zonula occludens-2 Tight Junction protein-3 Tricellulin Junctional Adhesion Molecule-1 Junctional Adhesion Molecule-2 Junctional Adhesion Molecule-3 E-cadherin Occludin Interferon-alpha-1 Interferon-beta-3
Genes in cancer signaling pathways	SNAI1 SLUG/SNAI2 ZEB1 ZEB2 SMAD3 SMAD4 TGFB1 TWIST1	Snail Family Transcriptional Repressor 1 Snail Family Transcriptional Repressor 2 Zinc Finger E-Box Binding Homeobox 1 Zinc Finger E-Box Binding Homeobox 2 SMAD Family Member Related Protein 3 SMAD Family Member Related Protein 4 Tumor Growth Factor Beta 1 Twist Related Protein 1

	TWIST2 CATENIN-BETA AFDN/AF6 PIK3CA AKT1	Twist Related Protein 2 Catenin-beta Afadin Phosphatidylinositol-4,5-Bisphosphate 3Kinase Catalytic Subunit Alpha AKT Serine/Threonine Kinase 1
Chemokines and their receptors	CCR7 CCL21 CXCR5 CXCL13	C-C Motif Chemokine Receptor 7 C-C Motif Chemokine Ligand 21 C-X-C Motif Chemokine Receptor 5 C-X-C Motif Chemokine Ligand 13
Housekeeping genes	AMMECR1L CC2D1B SAP130 ZNF143 NUBP1	AMMECR1L-like protein Coiled-Coil And C2 Domain Containing 1B Sin3A Associated Protein 130 Zinc Finger Protein 143 Nucleotide Binding Protein 1