**Supplementary Table 3**

**Leading edge genes in the ILC3 signature**

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| **Gene symbol** | **Gene title** |
|  |  |
| IRAK3 | interleukin-1 receptor-associated kinase 3 |
| DOCK5 | dedicator of cytokinesis 5 |
| PLXNC1 | plexin C1 |
| TDRKH | tudor and KH domain containing |
| TNFSF13B | tumor necrosis factor (ligand) superfamily, member 13b |
| BIRC3 | baculoviral IAP repeat-containing 3 |
| BANK1 | B-cell scaffold protein with ankyrin repeats 1 |
| PTPN12 | protein tyrosine phosphatase, non-receptor type 12 |
| IFITM3 | interferon induced transmembrane protein 3 (1-8U) |
| SH2D1B | SH2 domain containing 1B |
| ASPH | aspartate beta-hydroxylase |
| IL22 | interleukin 22 |
| ATP8B4 | ATPase, Class I, type 8B, member 4 |
| SVIL | supervillin |
| NCR1 | natural cytotoxicity triggering receptor 1 |
| SKAP2 | src kinase associated phosphoprotein 2 |
| CD55 | CD55 molecule, decay accelerating factor for complement (Cromer blood group) |
| AHR | aryl hydrocarbon receptor |
| IL23R | interleukin 23 receptor |
| B4GALT5 | UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5 |
| IL18RAP | interleukin 18 receptor accessory protein |
| IL18R1 | interleukin 18 receptor 1 |
| MAML2 | mastermind-like 2 (Drosophila) |
| IFNGR1 | interferon gamma receptor 1 |
| CD63 | CD63 molecule |
| DST | dystonin |
| ID2 | inhibitor of DNA binding 2, dominant negative helix-loop-helix protein |
| IL1R1 | interleukin 1 receptor, type I |
| SERPINA1 | serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 |
| IL4R | interleukin 4 receptor |
| FLOT1 | flotillin 1 |
| LYN | v-yes-1 Yamaguchi sarcoma viral related oncogene homolog |