**Supplementary Table 2. Information about potential targets-organs location**

|  |  |
| --- | --- |
| Targets symbol | Organs |
| CXCR4 | AdrenalCortex |
| MAP3K5 | Adrenalgland |
| PKM | Appendix |
| PTPN11 | Appendix |
| CXCR4 | AtrioventricularNode |
| PKM | AtrioventricularNode |
| CXCR4 | CardiacMyocytes |
| BCL2 | CardiacMyocytes |
| TP53 | CardiacMyocytes |
| ESR1 | CardiacMyocytes |
| PTGS1 | CardiacMyocytes |
| TGFB1 | CardiacMyocytes |
| HMOX1 | CD105+\_Endothelial |
| ITGB2 | CD105+\_Endothelial |
| CASP8 | CD14+\_Monocytes |
| FPR2 | CD14+\_Monocytes |
| CES1 | CD33+\_Myeloid |
| MAPK14 | CD33+\_Myeloid |
| PRTN3 | CD33+\_Myeloid |
| TLR4 | CD33+\_Myeloid |
| CD38 | CD34+ |
| TGFB1 | CD34+ |
| CASP1 | CD4+\_Tcells |
| MAPK14 | CD56+\_NKCells |
| PIK3CG | CD56+\_NKCells |
| ST6GAL1 | CerebellumPeduncles |
| CPT2 | Colon |
| LGALS9 | Colon |
| HMOX1 | Fetallung |
| ESR1 | GlobusPallidus |
| HMOX1 | Heart |
| TGFB1 | Heart |
| TGFB1 | Leukemia\_promyelocytic-HL-60 |
| CPT2 | Liver |
| CES1 | Lung |
| STAT3 | Ovary |
| PKM | Ovary |
| ALB | Pancreas |
| PTPN11 | Pancreas |
| VEGFA | Pancreas |
| PKM | Pancreas |
| CFTR | PancreaticIslet |
| CXCR4 | PancreaticIslet |
| PTGS2 | PancreaticIslet |
| PTGS2 | PancreaticIslet |
| STAT3 | PancreaticIslet |
| ST6GAL1 | PancreaticIslet |
| KLK1 | PancreaticIslet |
| SERPINE1 | PancreaticIslet |
| TTR | PancreaticIslet |
| VEGFA | PancreaticIslet |
| CXCR4 | Pineal |
| EGFR | PrefrontalCortex |
| ABL1 | Prostate |
| PKM | Prostate |
| PDGFRB | Retina |
| CASP1 | Small\_intestine |
| F2R | SmoothMuscle |
| SPHK1 | SmoothMuscle |
| STAT3 | TestisGermCell |
| RELA | TestisIntersitial |
| PKM | TestisSeminiferousTubule |
| PSMB8 | Thymus |
| PKM | Thyroid |
| PSMB8 | Tonsil |
| ST6GAL1 | TrigeminalGanglion |
| BRD4 | Uterus |
| ABL1 | Uterus |
| PKM | Uterus |
| MAPK14 | WholeBlood |
| PTGS2 | WholeBlood |
| STAT3 | WholeBlood |
| HMOX1 | WholeBlood |
| TLR4 | WholeBlood |
| PTGS1 | WholeBlood |

ABL1, tyrosine-protein kinase ABL1; ALB, albumin; BCL2, B-cell lymphoma/Leukemia-2; BRD4, bromodomain containing 4; CASP1, caspase-1; CASP8, caspase-8; CES1, carboxylesterase 1; CFTR, cystic fibrosis transmembrane conductance regulator; CPT2, carnitine palmitoyltransferase 2; CXCR4, C-X-C chemokine receptor type 4; EGFR, epidermal growth factor receptor; ESR1, estrogen receptor 1; F2R, coagulation factor II thrombin receptor; FPR2, formyl peptide receptor 2; HMOX1, heme oxygenase 1; ITGB2, integrin beta-2; KLK1, kallikrein 1; LGALS9, galectin 9; MAP3K5, mitogen-activated protein kinase kinase kinase 5; MAPK14, mitogen-activated protein kinase 14; PDGFRB, platelet-derived growth factor receptor beta; PIK3CG, phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma; PKM, pyruvate kinase M1/2; PRTN3, proteinase 3; PSMB8, proteasome subunit beta 8; PTGS1, prostaglandin G/H synthase 1; PTGS2, prostaglandin G/H synthase 2; PTPN11, tyrosine-protein phosphatase non-receptor type 11; RELA, transcription factor P65; SERPINE1, plasminogen activator inhibitor 1; SPHK1, sphingosine kinase 1; ST6GAL1, ST6 beta-galactoside alpha-2,6-sialyltransferase 1; STAT3, signal transducer and activator of transcription 3; TGFB1, transforming growth factor beta-1; TLR4, toll-like receptor 4; TP53, tumor protein P53; TTR, transthyretin; VEGFA, vascular endothelial growth factor A.