| Supplemental Table 4: B Cell Gene Sets |
|---------------------------------------|
| Naïve B cells | Autoimmune B cell | Memory B cells | plasma cells | RA autoimmune B cell | RA plasmablast | RA FCRL4+ |
| CD1B | ITGAX | GPR183 | SPAG4 | ITGAX | MZB1 | FCRL4 | Reference |
| ABCB4 | TBX21 | SLC15A3 | CHST15 | CD52 | FKBPI1 | KCTD12 | RA ABC and plasmablast Zhang Nat Imm 2019 PMID: 31061532 |
| TCLI1A | FCRL4 | ZBTB32 | CD3B | HLA-DRB1 | HSP90B1 | LOC731424 | ABC Ehrhardt JEM 2008 PMID: 18625746 |
| P2RX1 | FCRL5 | SP140 | CD38 | CD27 | MNDAY | CD52 | RA FCRL Amara J Autoim 2017 PMID: 28343748 |
| P2RY14 | CD27 | MNDAY | P2RX1 | CD38 | MNDAY | CD52 | Naïve, memory Plasma cells CIBERSORT Newman Nat Methods 2015 PMID: 25822800 |

Reference:
Zhang Nat Imm 2019 PMID: 31061532
Ehrhardt JEM 2008 PMID: 18625746
Amara J Autoim 2017 PMID: 28343748
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