**Parameters**

* Using fraction 6 and fraction means in fractionation analysis
* Fraction 9 or fraction 10 must be greater than the soluble fractions (6 11 12)
* Determining specificity using 3x enrichment

**Internal Microglia**

* [O15117: FYB1](https://benchling.com/s/etr-lvPVlsx2ZPSCEk5yA5qo?m=slm-Vplayibs0738Y5GTNxCL) (9: 2/4, 10: 1/4)
* [**O43665: RGS10**](https://benchling.com/s/etr-eRxutsADXyeggOWoOvpc?m=slm-xMDMKoDruZdxNVSdC2Xe) **(9: 2/4, 10: 2/4)**
* [O60760: HPGDS](https://benchling.com/s/etr-58qitb5ewl0lhHdh5iVF?m=slm-HfstG5Esqu431Fc9zBPl) (9: 1/4, 10: 2/4)
* [**O75695: RP2**](https://benchling.com/s/etr-QQvInEPZC0j2RlYpCeG7?m=slm-lHuo3RiO3TtWUhE0opIS) **(9: 3/4, 10: 2/4)**
* [P01583: IL1A](https://benchling.com/s/etr-lu8fD1poronWFDGggFdz?m=slm-fj9kRQ4KimkSLFWd11yu) (9: 2/4, 10: 1/4)
* [P06730: EIF4E](https://benchling.com/s/etr-9k9AX4oWzGnI0f4Jc17C?m=slm-3ZhtSsmrM2yZtWodKwkd) (9: 2/4, 10: 1/4)
* [**P07948: LYN**](https://benchling.com/s/etr-ymI8DT6Kr0bGSdcfqcPa?m=slm-fzFDESuYYX4pHzA5l1vU) **(9: 3/4, 10: 1/4)**
* [**P07992: ERCC1**](https://benchling.com/s/etr-Q1EzwRDiJwJRHRS5LLkg?m=slm-wln0IFKDS7crBl1kABM8) **(9: 3/4, 10: 1/4)**
* [**P09467: FBP1**](https://benchling.com/s/etr-HKEdXNXbNQw82yqZGJx2?m=slm-OUjIooHS6QhNNtR4Zf2v) **(9: 2/4, 10: 2/4)**
* [**P13995: MTHFD2**](https://benchling.com/s/etr-xtAebeE1mLIUhNqyf3dT?m=slm-KMmI5I024mdsH0FX18Zp) **(9: 2/4, 10: 3/4)**
* [**P17676: CEBPB**](https://benchling.com/s/etr-YwzFB0P8sSNlhpYXYuSM?m=slm-jYjGevXOTUL4yHqyYgit) **(9: 1/4, 10: 3/4)**
* [P19878: NCF2](https://benchling.com/s/etr-RTUOBdJIaPb0941bHATX?m=slm-ffhWNq4r0FAHdgYorEu9) (9: 1/4, 10: 1/4)
* [P23743: DGKA](https://benchling.com/s/etr-aItsPMZBaInB0cEZphnq?m=slm-HJkR49ScZ3HsKuMClv07) (9: 1/4, 10: 2/4)
* [**P29350: PTPN6**](https://benchling.com/s/etr-IeemVyi9NTBlq4AF1Oda?m=slm-bagZTFVqpyv5QZkbd48E) **(9: 2/4, 10: 2/4)**
* [**P30405: PPIF**](https://benchling.com/s/etr-EYO8HrL1Bh7M5X9juSR2?m=slm-a7KTSN3v2xfqqcuNmTRc) **(9: 2/4, 10: 3/4)**
* [P31146: CORO1A](https://benchling.com/s/etr-ALvvhNZ0UyCGYAHD2uwt?m=slm-W3S88zVLb0XZgpd3FuRd) (9: 2/4, 10: 0/4)
* [**P31949: S100A11**](https://benchling.com/s/etr-IqMLSaep67BV6JZAI7WV?m=slm-00FpmyctwRxp8menJGiP) **(9: 3/4, 10: 2/4)**
* [**P32456: GBP2**](https://benchling.com/s/etr-GWenUK6vsUWPLqMXw61Y?m=slm-K3L7ZxomTPGb3cwdwdhk) **(9: 3/4, 10: 1/4)**
* [**P41218: MNDA**](https://benchling.com/s/etr-Z7FAYymO2kTKLFLcmT8n?m=slm-hFVg4EnhdqBE5ESWpULh) **(9: 2/4, 10: 2/4)**
* [P47712: PLA2G4A](https://benchling.com/s/etr-vYToj8JDmtEemhJS1l0d?m=slm-dNZNxv2PQeTfWdGXB113) (9: 2/4, 10: 1/4)
* [P49715: CEBPA](https://benchling.com/s/etr-Jh8fy0DyFAEwT0I4LLfO?m=slm-x0wDKx6bmthPra3b4OKM) (9: 2/4, 10: 1/4)
* [**P49792: RANBP2**](https://benchling.com/s/etr-6oYt0WJU25Q976VAaQPM?m=slm-JMFuZvfsBg92nklSyrnn) **(9: 2/4, 10: 2/4)**
* [**P50453: SERPINB9**](https://benchling.com/s/etr-nJx3tFzLzUn5eOTBsvKq?m=slm-VI0zi36WYd2pWenZC7V8) **(9: 1/4, 10: 3/4)**
* [P52789: HK2](https://benchling.com/s/etr-FdPn5pBWysaVABLwPmCM?m=slm-w8AeuVWfOjlGMiBu9w34) (9: 2/4, 10: 0/4)
* [P98082: DAB2](https://benchling.com/s/etr-jmt6f8XyHwswI2aCWaZu?m=slm-6hAYWPtmXPGxSbrBFr4N) (9: 2/4, 10: 1/4)
* [Q03169: TNFAIP2](https://benchling.com/s/etr-BXNx5ifNQL32w5GeyYAe?m=slm-FmflheYKtPxUFmXfaZSI) (9: 2/4, 10: 1/4)
* [**Q05315: CLC**](https://benchling.com/s/etr-wUa6DIJeHz2DIXxgcye4?m=slm-rm7JQcTHXJyxCJKrV2SI) **(9: 2/4, 10: 2/4)**
* [Q13459: MYO9B](https://benchling.com/s/etr-oNJAW4gB0epLIzABVesf?m=slm-tmNIPY6HnlPdnZLq5MHy) (9: 2/4, 10: 1/4)
* [Q16665: HIF1A](https://benchling.com/s/etr-uXCOhoCdx2BoTouv2kY3?m=slm-Wgm34iTJ7GbUmyV7lvez) (9: 1/4, 10: 2/4)
* [Q16719: KYNU](https://benchling.com/s/etr-gIMbCyUOfB0EMC7VKoWd?m=slm-hG0wlLbhqMmcnYJHZtdb) (9: 1/4, 10: 1/4)
* [**Q6IBS0: TWF2**](https://benchling.com/s/etr-Ri8RNbLiw5TUcVggablB?m=slm-J8zFsc9wCN8crc7dzUc5) **(9: 2/4, 10: 3/4)**
* [**Q6P589: TNFAIP8L2**](https://benchling.com/s/etr-bbbgweiiKmWkimRIbdIq?m=slm-s79zYRUaXV33N1nKA8Ni) **(9: 3/4, 10: 2/4)**
* [Q6ZUJ8: PIK3AP1](https://benchling.com/s/etr-bXnwmsYywD07X7uIeULW?m=slm-HSlfQvFNOyAFLmdy8ihs) (9: 1/4, 10: 1/4)
* [**Q7Z5R6: APBB1P**](https://benchling.com/s/etr-HvrUZgH24YbYEbD74sXu?m=slm-GDVwlOWRUj0wBw3auK6Z) **(9: 2/4, 10: 2/4)**
* [Q7Z6I6: ARHGAP30](https://benchling.com/s/etr-pdPmMC6TI6cPpU7hQSc0?m=slm-YPP2SYFP2RrkO3JokaLZ) (9: 0/4, 10: 2/4)
* [Q8WV28: BLNK](https://benchling.com/s/etr-clh1YYZgzCW65wYBCuD3?m=slm-DZ5BbPdBuMUXcIz9gouG) (9: 1/4, 10: 1/4)
* [**Q92835: INPP5D**](https://benchling.com/s/etr-VWddeMPE4eMWm9Lea2vE?m=slm-LqgT36LQQyiYkEdg999A) **(9: 2/4, 10: 2/4)**
* [**Q969X0: RILPL2**](https://benchling.com/s/etr-rpoHmdvDCuRR7fPm0riA?m=slm-odI9sSMW1sLkPShU7kI8) **(9: 2/4, 10: 2/4)**
* [Q96G03: PGM2](https://benchling.com/s/etr-zdRMctvCMEkAdvcO2sSO?m=slm-n6HPtXQwHNKUYnA7mQNg) (9: 2/4, 10: 1/4)
* [**Q9NP95: FGF20**](https://benchling.com/s/etr-vQUJeBMneUZCjwivvPdS?m=slm-qbjvWMOJGfn8jYd1Wcnj) **(9: 3/4, 10: 2/4)**
* [Q9UKL0: RCOR1](https://benchling.com/s/etr-Ck0q442SQBvrW0L5ZjJ3?m=slm-4ZwYZOGggIoz62syRxUk) (9: 0/4, 10: 2/4)
* [**Q9Y6U3: SCIN**](https://benchling.com/s/etr-N1R9V5cKH2RkMgTJR0Rf?m=slm-xICrjqi6vJEBg9RuCmQF) **(9: 2/4, 10: 3/4)**

**Internal Astrocyte**

* [O60240: PLIN1](https://benchling.com/s/etr-HDyxApqWwsq3zxopWHmB?m=slm-QCmqlIftN6NTaAi215oa) (9: 0/4, 10: 2/4)
* [**O60890: OPHN1**](https://benchling.com/s/etr-WdUO8o2ryI3RVQJ3L3sQ?m=slm-EEMc4LUgUh5SaWSTm4wG) **(9: 2/4, 10: 2/4)**
* [**O75528: TADA3**](https://benchling.com/s/etr-MetjiibmwLXURyhVj7eT?m=slm-702rUoRX2oQ6EGXE13g2) **(9: 2/4, 10: 3/4)**
* [**P00568: AK1**](https://benchling.com/s/etr-UdwzlPIoWHJIlASlUpIY?m=slm-GZO0dVSklKuvbWkCAmd4) **(9: 3/4, 10: 2/4)**
* [P13051: UNG](https://benchling.com/s/etr-CwM99L91y2qqYG2szsV2?m=slm-hK5sm8t1vhnZNVexMugn) (9: 0/4, 10: 2/4)
* [P13807: GYS1](https://benchling.com/s/etr-ZCP0nLtkj4NdAx4hK6fC?m=slm-sq0GpVuHw3t4uETxoxzy) (9: 2/4, 10: 0/4)
* [P48431: SOX2](https://benchling.com/s/etr-Tbqv4NCvjZBYN6rYJc6l?m=slm-196Xsja2AA8WVjCf2wOc) (9: 2/4, 10: 1/4)
* [Q00872: MYBPC1](https://benchling.com/s/etr-JUNGwkN7FxpwiPZ3m0Cd?m=slm-0x1ExhZttqSO7SaR4Jtv) (9: 1/4, 10: 1/4)
* [**Q16762: TST**](https://benchling.com/s/etr-4Gg7Q0jt2ExnBZhkCqR1?m=slm-S5gdp0eNvz4x4M2vCEO0) **(9: 2/4, 10: 2/4)**
* [Q96HC4: PDLIM5](https://benchling.com/s/etr-TjgNnxsP5OLBqNsHNA7k?m=slm-znPNPPfma4OTDWRNuFDq) (9: 1/4, 10: 1/4)
* [**Q99584: S100A13**](https://benchling.com/s/etr-kN5Sl8ESEnMOAQajq4Ve?m=slm-ppxCWMrHBTlOd6wIW0OM) **(9: 4/4, 10: 3/3)**
* [Q9H2M3: BHMT2](https://benchling.com/s/etr-NTnHw4BxmZ26UUsMJvyh?m=slm-499Fgb7W7AMvB9kd9jwT) (9: 2/4, 10: 1/4)

**Internal Oligodendrocyte**

* [O00291: HIP1](https://benchling.com/s/etr-gDJO9g3EJwPlC04f7mCB?m=slm-aW1Z6Dae3jqZnZ4yxxhV) (9: 0/4, 10: 2/4)
* [P09543: CNP](https://benchling.com/s/etr-hF8RDtgNgA2BeGDdtBBT?m=slm-4RiP4kcvCP6vlsPxlC53) (9: 2/4, 10: 1/4)
* [P21695: GPD1](https://benchling.com/s/etr-iNS84VytnwVfiKH79Q9H?m=slm-NVGWq6G0gINTC610a5p6) (9: 0/4, 10: 2/4)
* [Q04759: PRKCQ](https://benchling.com/s/etr-HheaWBd9B6UlwlMK7maR?m=slm-LAvO3TdULnJVXMyIOZCo) (9: 2/4, 10: 1/4)
* [Q16206: ENOX2](https://benchling.com/s/etr-8Phbe0Hge9glvILOVJHX?m=slm-la836C4xS7did8R48Ldq) (9: 0/4, 10: 1/4)
* [Q8TDX7: NEK7](https://benchling.com/s/etr-bcnF38LdNf89r2KxGnxC?m=slm-ARGpOfElRdfMMXdoESTN) (9: 0/4, 10: 2/4)
* [**Q92597: NDRG1**](https://benchling.com/s/etr-oF7w4gmnwiwJ5cqfGLye?m=slm-dl1GiQNsGGZTLMZLkRsD) **(9: 1/4, 10: 3/4)**
* [Q96A00: PPP1R14A](https://benchling.com/s/etr-u0EJ2VfmUyaM0Lqk69bF?m=slm-ZQ24hWy1u6WulW0FULe4) (9: 1/4, 10: 0/4)

**Internal Neuron**

* [A6NFN3: RBFOX3](https://benchling.com/s/etr-MFxOVh0Rt6E9qLPVLWBS?m=slm-cMJfZiSTFa6IR9CTMOAu)
* [O00194: RAB27B](https://benchling.com/s/etr-nfW7xPqlIdRiDBtKwx5S?m=slm-fPphxfaPgkl2q0hG6IT3)
* [O14737: PDCD5](https://benchling.com/s/etr-GPdupJJMCI0Ze4CcgJqR?m=slm-QARgQFQsHTdw5obO7Ibp)
* [O15212: PFDN6](https://benchling.com/s/etr-CkPBcpBqN48RlGHhGMXF?m=slm-nQnAcOPFJsnfN6I1gQiZ)
* [O75348: ATP6V1G1](https://benchling.com/s/etr-q7WDYh9GC8SsqIVpdOEb?m=slm-gxbvHpZOYtMkl9lB9BzH)
* [O76039: CDKL5](https://benchling.com/s/etr-Fd1dW2BQ8RN3thjvGg1f?m=slm-YeZcRQYBwjn0TNs7w7bK)
* [P05413: FABP3](https://benchling.com/s/etr-5Ww5RkopasX7xlqVZC8N?m=slm-9LbGu2F4BkjYNoDHxilE)
* [P07311: ACYP1](https://benchling.com/s/etr-f7VN1ItJx0n8bOkYNM1n?m=slm-pBBX4H8kRPlf2TG396Br)
* [P15531: NME1](https://benchling.com/s/etr-1YgQcrXWEqdZUZHxgEQt?m=slm-qtmH7QDVcMbuMnKGQiOK)
* [P37840: SNCA](https://benchling.com/s/etr-ivW57yJhcxDXRxvkhKaf?m=slm-m5SmoYTbqFWAHVRqSO3K)
* [P41236: PPP1R2](https://benchling.com/s/etr-3oypwsa4CKtBefVSlZgl?m=slm-Wne9BBYcaMAxyPAP2P77)
* [P45984: MAPK9](https://benchling.com/s/etr-Kvx33R9OaeyYOMKOZiJz?m=slm-Sj11ISpv0uCSsGvbKyR3)
* [P54577: YARS1](https://benchling.com/s/etr-20YPljsXyGbk4sCzqi7L?m=slm-PnfheGhhXD79E4tkAjZc)
* [P61328: FGF12](https://benchling.com/s/etr-RZVex9ypnZJelvSRKAad?m=slm-88Z7UrJqoeqXWczt8dae)
* [Q15014: MORF4L2](https://benchling.com/s/etr-IkDcRpMVHOoMJdLfQHsj?m=slm-oAvBCLXWXGtLXLhQVN1k)
* [Q9H0P0: NP5C3A](https://benchling.com/s/etr-uktpbkxfIzrBJS3UQ4rw?m=slm-LI9vm064rnwOWeYY1SXr)
* [Q9H492: MAP1LC3A](https://benchling.com/s/etr-j13wrrtDRGWhJWckzF4W?m=slm-7i75NMFf52dpyt47lpoz)
* [Q9NQ66: PLCB1](https://benchling.com/s/etr-LEA7ddH0JyhmwjM5JQCC?m=slm-Ks6U8O7uZbLjMXllCj63)
* [Q9P0J1: PDP1](https://benchling.com/s/etr-bFBJUdJTW1mX75G6cqRt?m=slm-XYxhBxaWkLhMShGDgrc9)
* [Q9UL42: PNMA2](https://benchling.com/s/etr-nZcRvYLhwsv3VXeigY2v?m=slm-2K2aYzTlBahKOKf3uV25)
* [Q9ULU8: CADPS](https://benchling.com/s/etr-ukmtGbMst6V0vylpv8lI?m=slm-e2ENT91seVEX9GrYxw57)

**Transmembrane Microglia**

* [O00220: TNFRSF10A](https://benchling.com/s/etr-R7s7OuTRpRlxLLYWKGXZ?m=slm-2zKw4DamLUdEvzyRvfln)
* [O14763: TNFRSF10B](https://benchling.com/s/etr-aM3kXJgCFR4niP8N5tdl?m=slm-VZnu7V6WiHgVATObbFc4)
* [P01730: CD4](https://benchling.com/s/etr-9t3IcelzBTXSW6tnJngs?m=slm-jBmBMIqCo4v6CXJZGgDu)
* [P01903: HLA-DRA](https://benchling.com/s/etr-RuUjZstVNp7Qkh2pBrCP?m=slm-0uWkvDCTZRW3uPRczv3G)
* P20701: ITGAL
* P20702: ITGAX
* [P25942: CD40](https://benchling.com/s/etr-zIV3k6F0Bx8yz1o6R565?m=slm-gEOtnhaENgm9mK3MkoWr)
* P26951: IL3RA
* P32927: CSF2RB
* P42701: IL12RB1
* P78552: IL13RA1
* [Q07108: CD69](https://benchling.com/s/etr-NWlPc49QX18KJiNFdFUn?m=slm-jpX3sllAbcYlagUIgE07)
* [Q12846: STX4](https://benchling.com/s/etr-4gyF4Wpey5pwOQSKTNoh?m=slm-C6xXzikgvCPsDI38f6DV)
* Q13651: IL10RA
* [Q15399: TLR1](https://benchling.com/s/etr-MF644ZQdJiF0UzbUjhbI?m=slm-FUCxIxvQO1KX1nW5VGKi)
* [Q15762: CD226](https://benchling.com/s/etr-MuxdFfR9KT8mvNs21Jhl?m=slm-cTzMqvQmYrmP6OT1warf)
* [Q496F6: CD300E](https://benchling.com/s/etr-xADAU0pZijNLH6GQDMFy?m=slm-MYW0y8tRZr9I4ClUA6Xw)
* [Q7L5N7: LPCAT2](https://benchling.com/s/etr-uJYf4C0ISQqq7AgeMU0Q?m=slm-A27z4KWiXI0tsSiPojeg)
* [Q86YW5: TREML1](https://benchling.com/s/etr-5TTZPgf77aZgSOe64REa?m=slm-bEcem2Eg1KTUYGNVTePd)
* [Q96A25: TMEM106A](https://benchling.com/s/etr-ZihkBgPMwPOVAdzFdiF2?m=slm-bf9H1z3IrGuezxHWwN6X)
* [Q9BV40: VAMP8](https://benchling.com/s/etr-wjEJywTvK4QX1RnlQtpy?m=slm-FlAevSuP2xwmt93eJ2dX)
* Q9GZY6: LAT2
* Q9NWQ8: PAG1
* [Q9NY25: CLEC5A](https://benchling.com/s/etr-ipcCST0McHHaJ0nbDYL6?m=slm-mlAKwvkMvfvy1drYtK5K)
* [Q9P0V8: SLAMF8](https://benchling.com/s/etr-WbJOpSKTiVJz5qufexjX?m=slm-zzEz015g9zqVbzbNk0v4)
* [Q9UMR7: CLEC4A](https://benchling.com/s/etr-SJIcNDk3OFCSQjGT3Omw?m=slm-z3dRxY2tnhNG9kkqXSr8)

**Transmembrane Astrocyte**

* P14415
* P24530
* P28907
* P55283
* Q9Y5L3

**Transmembrane Oligodendrocyte**

* P23276

**Transmembrane Neuron**

* O60939
* P01732
* P04234
* P08913
* P17643
* P32970
* P48169
* Q9NY72
* Q9NYX4