

Table S3. Germline cells on FL and dFL patients

| Gene Symbol | HGNC FL | Gene Symbol | HV04 | Gene Symbol | HV04 |
|-------------|-----------------|-------------|------------------|-------------|-----------------|
| Locus ID | 8764 1p36.3c | Gene Symbol | 8764 (p.8764) | Locus ID | 8764 1p36.3c |
| SLN1328 | -1 | SLN1073 | -2 | SL1221P | -2 |
| SLN1331 | 0 | SLN1075 | 0 | SL1223N | -2 |
| SLN1332 | -1 | SLN1076 | 0 | SL1225P | -2 |
| SLN1336 | 0 | SLN1077 | 0 | SL1571P | -2 |
| SLN1338 | 0 | SLN1080 | 0 | SL1593N | 0 |
| SLN1353 | -2 | SLN1081 | -2 | SL1687N | 0 |
| SLN1357 | -2 | SLN1086 | 0 | SL2106P | 0 |
| SLN1360 | 0 | SLN1088 | 0 | SL2198P | 0 |
| SLN1361 | 0 | SLN1090 | 0 | SL2249P | 0 |
| SLN1368 | 0 | SLN1099 | -2 | SL2297P | 0 |
| SLN1371 | 0 | SLN1104 | -2 | SL2343P | 0 |
| SLN1372 | -2 | SLN1105 | 0 | SL2348P | -2 |
| SLN1373 | 0 | SLN1184 | 0 | SL421P | -2 |
| SLN1375 | 0 | SLN1186 | 0 | SL421P | -2 |
| SLN1376 | 0 | SLN1189 | 0 | SL449P | 0 |
| SLN1377 | 0 | SLN1329 | 0 | SL46P | 0 |
| SLN1378 | 0 | SLN1351 | 0 | SL493P | -2 |
| SLN1379 | 0 | SLN1352 | 0 | SL493P | -2 |
| SLN1380 | 0 | SLN1353 | -1 | SL718P | 0 |
| SLN1703 | 0 | SLN1364 | -2 | SL720P | 0 |
| SLN1707 | -2 | SLN1364 | -1 | SL1001P | 0 |
| SLN1709 | 0 | SLN1370 | -1 | SL1784N | 0 |
| SLN1711 | 0 | SLN1416 | -2 | SL2010P | 0 |
| SLN1712 | 0 | SLN1417 | -2 | SL1552P | 0 |
| SLN1744 | 0 | SLN1418 | -2 | SL2009N | 0 |
| SLN1745 | 0 | SLN1419 | 0 | SL2061P | 0 |
| SLN1750 | 0 | SLN1420 | 0 | SL2182P | 0 |
| SLN1756 | 0 | SLN1425 | 0 | SL2192P | 0 |
| SLN1759 | 0 | SLN1426 | 0 | SL2215P | 0 |
| SLN1763 | 0 | SLN1427 | 0 | SL2239P | 0 |
| SLN1784 | 1 | SLN1428 | 0 | SL2310P | -1 |
| SLN1843 | 0 | SLN1429 | 1 | SL2341P | -2 |
| SLN1848 | 0 | SLN1440 | 0 | SL2348P | 0 |
| SLN1849 | -2 | SLN1445 | 0 | SL2375P | 0 |
| SLN1849 | 0 | SLN1452 | 0 | SL2388N | 0 |
| SLN3442 | -2 | SLN1476 | 0 | SL2394N | -2 |
| SLN3444 | 0 | SLN1477 | 0 | SL2437N | 0 |
| SLN3445 | 0 | SLN1479 | 0 | SL491P | 0 |
| SLN3446 | 1 | SLN1484 | 0 | SL491N | 0 |
| SLN3447 | 0 | SLN1494 | 0 | SL496P | 0 |
| SLN3450 | -1 | SLN1540 | 0 | SL3109P | 0 |
| SLN3451 | 1 | SLN1505 | -1 | SL3122P | 0 |
| SLN3458 | 0 | SLN1507 | 0 | SL3277P | 0 |
| SLN3459 | 0 | SLN1518 | 0 | SL3444N | 0 |
| SLN3461 | 0 | SLN1519 | 0 | SL3517P | 0 |
| SLN3467 | 0 | SLN1540 | 0 | SL3532P | -2 |
| SLN3469 | -2 | SLN1545 | -1 | SL3552P | 0 |
| SLN3470 | 0 | SLN1548 | 0 | SL3162P | -1 |
| SLN3471 | -1 | SLN1557 | -2 | SL2230P | 0 |
| SLN3472 | -2 | SLN1579 | -2 | SL2308P | 0 |
| SLN3474 | -2 | SLN1581 | -2 | SL2363N | 0 |
| SLN3476 | 0 | SLN1586 | 0 | SL2377P | 0 |
| SLN3530 | 0 | SLN1588 | 0 | SL3739N | 0 |
| SLN3548 | -1 | SLN1604 | -2 | SL3843N | 0 |
| SPC512453 | -1 | SLN1605 | -2 | SL3858P | 0 |
| ZLN0001 | 0 | SLN1606 | 0 | SL3946P | 0 |
| ZLN0002 | -1 | SLN1610 | 0 | SL3952P | 0 |
| ZLN0007 | -1 | SLN1610 | 0 | SL3117P | 0 |
| ZLN0008 | -2 | SLN1611 | -2 | SL3137P | 0 |
| ZLN0013 | 0 | SLN1617 | 0 | SL3252P | 0 |
| ZLN0018 | 0 | SLN1620 | 0 | SL3218N | -1 |
| ZLN0021 | -2 | SLN1624 | -2 | SL3232P | -1 |
| ZLN0024 | 0 | SLN1625 | -2 | SL3697N | -2 |
| ZLN0028 | 0 | SLN1626 | 0 | SL1947P | 0 |
| ZLN0029 | 0 | SLN1627 | 0 | SL3697P | 0 |
| ZLN0038 | 0 | SLN1638 | -1 | SL3697P | 0 |
| SLN1643 | 0 | SLN1643 | 0 | SL4146 | -2 |
| SLN1644 | 0 | SLN1644 | 0 | SL4147 | 0 |
| SLN1645 | 0 | SLN1645 | 0 | SL4148 | 0 |
| SLN1647 | 0 | SLN1647 | 0 | SL4149 | 0 |
| SLN1648 | 0 | SLN1648 | 0 | SL4150 | 0 |
| SLN1649 | 0 | SLN1649 | 0 | SL4151 | 0 |
| SLN1650 | 0 | SLN1650 | 0 | SL4152 | 0 |
| SLN1651 | 0 | SLN1651 | 0 | SL4153 | 0 |
| SLN1652 | 0 | SLN1652 | 0 | SL4154 | 0 |
| SLN1653 | 0 | SLN1653 | 0 | SL4155 | 0 |
| SLN1654 | 0 | SLN1654 | 0 | SL4156 | 0 |
| SLN1655 | 0 | SLN1655 | 0 | SL4157 | 0 |
| SLN1670 | 0 | SLN1670 | 0 | SL4158 | 0 |
| SLN1675 | 0 | SLN1675 | 0 | SL4159 | 0 |
| SLN1683 | 0 | SLN1683 | 0 | SL4160 | 0 |
| SLN1684 | 0 | SLN1684 | 0 | SL4161 | 0 |
| SLN1685 | 0 | SLN1685 | 0 | SL4162 | 0 |
| SLN1687 | 0 | SLN1687 | 0 | SL4163 | 0 |
| SLN1688 | 0 | SLN1688 | 0 | SL4164 | 0 |
| SLN1689 | 0 | SLN1689 | 0 | SL4165 | 0 |
| SLN1690 | 0 | SLN1690 | 0 | SL4166 | 0 |
| SLN1691 | 0 | SLN1691 | 0 | SL4167 | 0 |
| SLN1692 | 0 | SLN1692 | 0 | SL4168 | 0 |
| SLN1693 | 0 | SLN1693 | 0 | SL4169 | 0 |
| SLN1694 | 0 | SLN1694 | 0 | SL4170 | 0 |
| SLN1695 | 0 | SLN1695 | 0 | SL4171 | 0 |
| SLN1696 | 0 | SLN1696 | 0 | SL4172 | 0 |
| SLN1697 | 0 | SLN1697 | 0 | SL4173 | 0 |
| SLN1698 | 0 | SLN1698 | 0 | SL4174 | 0 |
| SLN1699 | 0 | SLN1699 | 0 | SL4175 | 0 |
| SLN1700 | 0 | SLN1700 | 0 | SL4176 | 0 |
| SLN1701 | 0 | SLN1701 | 0 | SL4177 | 0 |
| SLN1702 | 0 | SLN1702 | 0 | SL4178 | 0 |
| SLN1704 | 0 | SLN1704 | 0 | SL4179 | 0 |
| SLN1705 | 0 | SLN1705 | 0 | SL4180 | 0 |
| SLN1706 | 0 | SLN1706 | 0 | SL4181 | 0 |
| SLN1707 | 0 | SLN1707 | 0 | SL4182 | 0 |
| SLN1708 | 0 | SLN1708 | 0 | SL4183 | 0 |
| SLN1709 | 0 | SLN1709 | 0 | SL4184 | 0 |
| SLN1710 | 0 | SLN1710 | 0 | SL4185 | 0 |
| SLN1711 | 0 | SLN1711 | 0 | SL4186 | 0 |
| SLN1712 | 0 | SLN1712 | 0 | SL4187 | 0 |
| SLN1713 | 0 | SLN1713 | 0 | SL4188 | 0 |
| SLN1714 | 0 | SLN1714 | 0 | SL4189 | 0 |
| SLN1715 | 0 | SLN1715 | 0 | SL4190 | 0 |
| SLN1716 | 0 | SLN1716 | 0 | SL4191 | 0 |
| SLN1717 | 0 | SLN1717 | 0 | SL4192 | 0 |
| SLN1718 | 0 | SLN1718 | 0 | SL4193 | 0 |
| SLN1719 | 0 | SLN1719 | 0 | SL4194 | 0 |
| SLN1720 | 0 | SLN1720 | 0 | SL4195 | 0 |
| SLN1721 | 0 | SLN1721 | 0 | SL4196 | 0 |
| SLN1722 | 0 | SLN1722 | 0 | SL4197 | 0 |
| SLN1723 | 0 | SLN1723 | 0 | SL4198 | 0 |
| SLN1724 | 0 | SLN1724 | 0 | SL4199 | 0 |
| SLN1725 | 0 | SLN1725 | 0 | SL4200 | 0 |
| SLN1726 | 0 | SLN1726 | 0 | SL4201 | 0 |
| SLN1727 | 0 | SLN1727 | 0 | SL4202 | 0 |
| SLN1728 | 0 | SLN1728 | 0 | SL4203 | 0 |
| SLN1729 | 0 | SLN1729 | 0 | SL4204 | 0 |
| SLN1730 | 0 | SLN1730 | 0 | SL4205 | 0 |
| SLN1731 | 0 | SLN1731 | 0 | SL4206 | 0 |
| SLN1732 | 0 | SLN1732 | 0 | SL4207 | 0 |
| SLN1733 | 0 | SLN1733 | 0 | SL4208 | 0 |
| SLN1734 | 0 | SLN1734 | 0 | SL4209 | 0 |
| SLN1735 | 0 | SLN1735 | 0 | SL4210 | 0 |
| SLN1736 | 0 | SLN1736 | 0 | SL4211 | 0 |
| SLN1737 | 0 | SLN1737 | 0 | SL4212 | 0 |
| SLN1738 | 0 | SLN1738 | 0 | SL4213 | 0 |
| SLN1739 | 0 | SLN1739 | 0 | SL4214 | 0 |
| SLN1740 | 0 | SLN1740 | 0 | SL4215 | 0 |
| SLN1741 | 0 | SLN1741 | 0 | SL4216 | 0 |
| SLN1742 | 0 | SLN1742 | 0 | SL4217 | 0 |
| SLN1743 | 0 | SLN1743 | 0 | SL4218 | 0 |
| SLN1744 | 0 | SLN1744 | 0 | SL4219 | 0 |
| SLN1745 | 0 | SLN1745 | 0 | SL4220 | 0 |
| SLN1746 | 0 | SLN1746 | 0 | SL4221 | 0 |
| SLN1747 | 0 | SLN1747 | 0 | SL4222 | 0 |
| SLN1748 | 0 | SLN1748 | 0 | SL4223 | 0 |
| SLN1749 | 0 | SLN1749 | 0 | SL4224 | 0 |
| SLN1750 | 0 | SLN1750 | 0 | SL4225 | 0 |
| SLN1751 | 0 | SLN1751 | 0 | SL4226 | 0 |
| SLN1752 | 0 | SLN1752 | 0 | SL4227 | 0 |
| SLN1753 | 0 | SLN1753 | 0 | SL4228 | 0 |
| SLN1754 | 0 | SLN1754 | 0 | SL4229 | 0 |
| SLN1755 | 0 | SLN1755 | 0 | SL4230 | 0 |
| SLN1756 | 0 | SLN1756 | 0 | SL4231 | 0 |
| SLN1757 | 0 | SLN1757 | 0 | SL4232 | 0 |
| SLN1758 | 0 | SLN1758 | 0 | SL4233 | 0 |
| SLN1759 | 0 | SLN1759 | 0 | SL4234 | 0 |
| SLN1760 | 0 | SLN1760 | 0 | SL4235 | 0 |
| SLN1761 | 0 | SLN1761 | 0 | SL4236 | 0 |
| SLN1762 | 0 | SLN1762 | 0 | SL4237 | 0 |
| SLN1763 | 0 | SLN1763 | 0 | SL4238 | 0 |
| SLN1764 | 0 | SLN1764 | 0 | SL4239 | 0 |
| SLN1765 | 0 | SLN1765 | 0 | SL4240 | 0 |
| SLN1766 | 0 | SLN1766 | 0 | SL4241 | 0 |
| SLN1767 | 0 | SLN1767 | 0 | SL4242 | 0 |
| SLN1768 | 0 | SLN1768 | 0 | SL4243 | 0 |
| SLN1769 | 0 | SLN1769 | 0 | SL4244 | 0 |
| SLN1770 | 0 | SLN1770 | 0 | SL4245 | 0 |
| SLN1771 | 0 | SLN1771 | 0 | SL4246 | 0 |
| SLN1772 | 0 | SLN1772 | 0 | SL4247 | 0 |
| SLN1773 | 0 | SLN1773 | 0 | SL4248 | 0 |
| SLN1774 | 0 | SLN1774 | 0 | SL4249 | 0 |
| SLN1775 | 0 | SLN1775 | 0 | SL4250 | 0 |
| SLN1776 | 0 | SLN1776 | 0 | SL4251 | 0 |
| SLN1777 | 0 | SLN1777 | 0 | SL4252 | 0 |
| SLN1778 | 0 | SLN1778 | 0 | SL4253 | 0 |
| SLN1779 | 0 | SLN1779 | 0 | SL4254 | 0 |
| SLN1780 | 0 | SLN1780 | 0 | SL4255 | 0 |
| SLN1781 | 0 | SLN1781 | 0 | SL4256 | 0 |
| SLN1782 | 0 | SLN1782 | 0 | SL4257 | 0 |
| SLN1783 | 0 | SLN1783 | 0 | SL4258 | 0 |
| SLN1784 | 0 | SLN1784 | 0 | SL4259 | 0 |
| SLN1785 | 0 | SLN1785 | 0 | SL4260 | 0 |
| SLN1786 | 0 | SLN1786 | 0 | SL4261 | 0 |
| SLN1787 | 0 | SLN1787 | 0 | SL4262 | 0 |
| SLN1788 | 0 | SLN1788 | 0 | SL4263 | 0 |
| SLN1789 | 0 | SLN1789 | 0 | SL4264 | 0 |
| SLN1790 | 0 | SLN1790 | 0 | SL4265 | 0 |
| SLN1791 | 0 | SLN1791 | 0 | SL4266 | 0 |
| SLN1792 | 0 | SLN1792 | 0 | SL4267 | 0 |
| SLN1793 | 0 | SLN1793 | 0 | SL4268 | 0 |
| SLN1794 | 0 | SLN1794 | 0 | SL4269 | 0 |
| SLN1795 | 0 | SLN1795 | 0 | SL4270 | 0 |
| SLN1796 | 0 | SLN1796 | 0 | SL4271 | 0 |
| SLN1797 | 0 | SLN1797 | 0 | SL4272 | 0 |
| SLN1798 | 0 | SLN1798 | 0 | SL4273 | 0 |
| SLN1799 | 0 | SLN1799 | 0 | SL4274 | 0 |
| SLN1800 | 0 | SLN1800 | 0 | SL4275 | 0 |
| SLN1801 | 0 | SLN1801 | 0 | SL4276 | 0 |
| SLN1802 | 0 | SLN1802 | 0 | SL4277 | 0 |
| SLN1803 | 0 | SLN1803 | 0 | SL4278 | 0 |
| SLN1804 | 0 | SLN1804 | 0 | SL4279 | 0 |
| SLN1805 | 0 | SLN1805 | | | |