## S2a | List of genes that are a product of merging two or more genes

|  |  |  |  |
| --- | --- | --- | --- |
| SNOG\_30955 | SNOG\_30946 | SNOG\_30935 | SNOG\_30934 |
| SNOG\_30930 | SNOG\_30889 | SNOG\_30841 | SNOG\_30798 |
| SNOG\_30795 | SNOG\_30785 | SNOG\_30783 | SNOG\_30773 |
| SNOG\_30761 | SNOG\_30760 | SNOG\_30747 | SNOG\_30727 |
| SNOG\_30715 | SNOG\_30704 | SNOG\_30693 | SNOG\_30688 |
| SNOG\_30682 | SNOG\_30649 | SNOG\_30643 | SNOG\_30629 |
| SNOG\_30627 | SNOG\_30611 | SNOG\_30605 | SNOG\_30602 |
| SNOG\_30583 | SNOG\_30581 | SNOG\_30578 | SNOG\_30574 |
| SNOG\_30573 | SNOG\_30568 | SNOG\_30557 | SNOG\_30556 |
| SNOG\_30549 | SNOG\_30546 | SNOG\_30537 | SNOG\_30536 |
| SNOG\_30534 | SNOG\_30488 | SNOG\_30483 | SNOG\_30473 |
| SNOG\_30472 | SNOG\_30449 | SNOG\_30372 | SNOG\_30366 |
| SNOG\_30357 | SNOG\_30342 | SNOG\_30324 | SNOG\_30271 |
| SNOG\_30247 | SNOG\_30094 | SNOG\_30040 |

## S2b | List of genes that are a product of splitting one annotation into two

|  |  |  |  |
| --- | --- | --- | --- |
| SNOG\_30991 | SNOG\_30987 | SNOG\_30986 | SNOG\_30984 |
| SNOG\_30983 | SNOG\_30982 | SNOG\_30981 | SNOG\_30980 |
| SNOG\_30979 | SNOG\_30978 | SNOG\_30977 | SNOG\_30975 |
| SNOG\_30965 | SNOG\_30963 | SNOG\_30961 | SNOG\_30954 |
| SNOG\_30953 | SNOG\_30951 | SNOG\_30950 | SNOG\_30949 |
| SNOG\_30947 | SNOG\_30942 | SNOG\_30938 | SNOG\_30933 |
| SNOG\_30931 | SNOG\_30929 | SNOG\_30928 | SNOG\_30927 |
| SNOG\_30926 | SNOG\_30924 | SNOG\_30922 | SNOG\_30918 |
| SNOG\_30917 | SNOG\_30916 | SNOG\_30915 | SNOG\_30914 |
| SNOG\_30913 | SNOG\_30912 | SNOG\_30911 | SNOG\_30910 |
| SNOG\_30909 | SNOG\_30904 | SNOG\_30898 | SNOG\_30897 |
| SNOG\_30896 | SNOG\_30895 | SNOG\_30894 | SNOG\_30892 |
| SNOG\_30891 | SNOG\_30890 | SNOG\_30886 | SNOG\_30883 |
| SNOG\_30882 | SNOG\_30879 | SNOG\_30877 | SNOG\_30876 |
| SNOG\_30875 | SNOG\_30874 | SNOG\_30873 | SNOG\_30872 |
| SNOG\_30871 | SNOG\_30870 | SNOG\_30868 | SNOG\_30867 |
| SNOG\_30866 | SNOG\_30865 | SNOG\_30860 | SNOG\_30859 |
| SNOG\_30857 | SNOG\_30856 | SNOG\_30855 | SNOG\_30853 |
| SNOG\_30847 | SNOG\_30844 | SNOG\_30843 | SNOG\_30840 |
| SNOG\_30832 | SNOG\_30830 | SNOG\_30829 | SNOG\_30827 |
| SNOG\_30826 | SNOG\_30811 | SNOG\_30809 | SNOG\_30808 |
| SNOG\_30805 | SNOG\_30804 | SNOG\_30800 | SNOG\_30799 |
| SNOG\_30797 | SNOG\_30796 | SNOG\_30792 | SNOG\_30787 |
| SNOG\_30786 | SNOG\_30782 | SNOG\_30776 | SNOG\_30770 |
| SNOG\_30774 | SNOG\_30771 | SNOG\_30768 | SNOG\_30767 |
| SNOG\_30757 | SNOG\_30756 | SNOG\_30755 | SNOG\_30754 |
| SNOG\_30753 | SNOG\_30752 | SNOG\_30750 | SNOG\_30749 |
| SNOG\_30746 | SNOG\_30745 | SNOG\_30744 | SNOG\_30743 |
| SNOG\_30742 | SNOG\_30740 | SNOG\_30738 | SNOG\_30736 |
| SNOG\_30735 | SNOG\_30733 | SNOG\_30732 | SNOG\_30730 |
| SNOG\_30729 | SNOG\_30724 | SNOG\_30720 | SNOG\_30718 |
| SNOG\_30714 | SNOG\_30713 | SNOG\_30712 | SNOG\_30711 |
| SNOG\_30709 | SNOG\_30700 | SNOG\_30694 | SNOG\_30690 |
| SNOG\_30689 | SNOG\_30687 | SNOG\_30681 | SNOG\_30676 |
| SNOG\_30665 | SNOG\_30663 | SNOG\_30656 | SNOG\_30653 |
| SNOG\_30652 | SNOG\_30650 | SNOG\_30642 | SNOG\_30640 |
| SNOG\_30636 | SNOG\_30634 | SNOG\_30626 | SNOG\_30624 |
| SNOG\_30623 | SNOG\_30622 | SNOG\_30620 | SNOG\_30618 |
| SNOG\_30617 | SNOG\_30616 | SNOG\_30613 | SNOG\_30606 |
| SNOG\_30604 | SNOG\_30600 | SNOG\_30593 | SNOG\_30591 |
| SNOG\_30590 | SNOG\_30587 | SNOG\_30579 | SNOG\_30576 |
| SNOG\_30575 | SNOG\_30572 | SNOG\_30567 | SNOG\_30562 |
| SNOG\_30555 | SNOG\_30554 | SNOG\_30552 | SNOG\_30548 |
| SNOG\_30547 | SNOG\_30541 | SNOG\_30540 | SNOG\_30539 |
| SNOG\_30527 | SNOG\_30520 | SNOG\_30519 | SNOG\_30514 |
| SNOG\_30513 | SNOG\_30512 | SNOG\_30511 | SNOG\_30505 |
| SNOG\_30500 | SNOG\_30496 | SNOG\_30495 | SNOG\_30492 |
| SNOG\_30491 | SNOG\_30475 | SNOG\_30471 | SNOG\_30469 |
| SNOG\_30462 | SNOG\_30460 | SNOG\_30457 | SNOG\_30456 |
| SNOG\_30455 | SNOG\_30454 | SNOG\_30448 | SNOG\_30447 |
| SNOG\_30446 | SNOG\_30441 | SNOG\_30438 | SNOG\_30431 |
| SNOG\_30430 | SNOG\_30428 | SNOG\_30426 | SNOG\_30425 |
| SNOG\_30422 | SNOG\_30421 | SNOG\_30417 | SNOG\_30416 |
| SNOG\_30412 | SNOG\_30409 | SNOG\_30402 | SNOG\_30401 |
| SNOG\_30400 | SNOG\_30394 | SNOG\_30393 | SNOG\_30392 |
| SNOG\_30391 | SNOG\_30389 | SNOG\_30387 | SNOG\_30377 |
| SNOG\_30376 | SNOG\_30373 | SNOG\_30370 | SNOG\_30368 |
| SNOG\_30356 | SNOG\_30353 | SNOG\_30351 | SNOG\_30336 |
| SNOG\_30333 | SNOG\_30330 | SNOG\_30319 | SNOG\_30315 |
| SNOG\_30313 | SNOG\_30312 | SNOG\_30302 | SNOG\_30299 |
| SNOG\_30295 | SNOG\_30292 | SNOG\_30291 | SNOG\_30290 |
| SNOG\_30286 | SNOG\_30282 | SNOG\_30280 | SNOG\_30279 |
| SNOG\_30277 | SNOG\_30276 | SNOG\_30275 | SNOG\_30274 |
| SNOG\_30272 | SNOG\_30267 | SNOG\_30263 | SNOG\_30261 |
| SNOG\_30260 | SNOG\_30257 | SNOG\_30256 | SNOG\_30252 |
| SNOG\_30246 | SNOG\_30245 | SNOG\_30242 | SNOG\_30241 |
| SNOG\_30240 | SNOG\_30239 | SNOG\_30238 | SNOG\_30237 |
| SNOG\_30236 | SNOG\_30231 | SNOG\_30230 | SNOG\_30223 |
| SNOG\_30218 | SNOG\_30217 | SNOG\_30213 | SNOG\_30212 |
| SNOG\_30211 | SNOG\_30206 | SNOG\_30202 | SNOG\_30192 |
| SNOG\_30188 | SNOG\_30185 | SNOG\_30179 | SNOG\_30175 |
| SNOG\_30992 | SNOG\_30171 | SNOG\_30170 | SNOG\_30169 |
| SNOG\_30167 | SNOG\_30164 | SNOG\_30158 | SNOG\_30155 |
| SNOG\_30154 | SNOG\_30153 | SNOG\_30152 | SNOG\_30151 |
| SNOG\_30149 | SNOG\_30147 | SNOG\_30143 | SNOG\_30139 |
| SNOG\_30138 | SNOG\_30131 | SNOG\_30130 | SNOG\_30129 |
| SNOG\_30126 | SNOG\_30125 | SNOG\_30122 | SNOG\_30118 |
| SNOG\_30116 | SNOG\_30113 | SNOG\_30110 | SNOG\_30109 |
| SNOG\_30108 | SNOG\_30107 | SNOG\_30106 | SNOG\_30105 |
| SNOG\_30103 | SNOG\_30097 | SNOG\_30091 | SNOG\_30090 |
| SNOG\_30089 | SNOG\_30087 | SNOG\_30086 | SNOG\_30084 |
| SNOG\_30082 | SNOG\_30081 | SNOG\_30080 | SNOG\_30075 |
| SNOG\_30071 | SNOG\_30069 | SNOG\_30068 | SNOG\_30066 |
| SNOG\_30062 | SNOG\_30061 | SNOG\_30060 | SNOG\_30059 |
| SNOG\_30058 | SNOG\_30057 | SNOG\_30056 | SNOG\_30053 |
| SNOG\_30052 | SNOG\_30050 | SNOG\_30049 | SNOG\_30047 |
| SNOG\_30045 | SNOG\_30043 | SNOG\_30042 | SNOG\_30041 |
| SNOG\_30032 | SNOG\_30028 | SNOG\_30027 | SNOG\_30020 |
| SNOG\_30017 | SNOG\_30016 | SNOG\_30012 | SNOG\_30011 |