| Strain Name: | Genotype: | Source | Structures Labeled |
| :---: | :---: | :---: | :---: |
| N2 (ancestral) |  | Caenorhabditis Genetics Center |  |
| RW10226 | nc-119(+)] IV; sts1 10226 [his-72p::HIS-24:mCherry:let-858 3' UTR + unc-119(+). | Caenorhabditis Genetics Center | Nuclei |
| BV514 | ujls 113 [pie-1p::mCherry:H2B::pie-1 3'UTR + nhr-2p:nis-24::mCherry::let-858 3'UTR + unc-119(+)]; II | Duncan et al., 2019 | Nuclei |
| DCR4111 |  | This Paper | All Membranes, Nuclei |
| DCR3969 | olaEx2302 [DACR2266 at $25 \mathrm{ng} / \mathrm{L}$ + DACR218 at 30ng/uL] | This Paper | 16 Pioneers |
| DCR3970 | olaEx2303 [DACR2266 at $25 \mathrm{ng} / \mathrm{LL}+$ DACR218 at 30ng/uL] | This Paper | 16 Pioneers |
| DCR3971 | olaEx2304 [DACR2266 at $25 \mathrm{ng} / \mathrm{LL}+$ DACR218 at 30ng/uL] | This Paper | 16 Pioneers |
| DCR6098 | olals93 [DACR229150 ng/uL + DACR2351 $25 \mathrm{ng} / \mathrm{L}$ + + DACR218 $30 \mathrm{ng} / \mathrm{L}$ ] X | This Paper | 16 Pioneers |
| DCR6100 | olals90 [DACR229150 ng/uL + DACR2351 $25 \mathrm{ng} / \mathrm{L}$ + + DACR218 $30 \mathrm{ng} / \mathrm{L}$ ] X X | This Paper | 16 Pioneers |
| DCR6102 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper |  |
| DCR6106 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | 16 Pioneers |
| DCR6107 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | 16 Pioneers |
| DCR6269 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | Pan-neuronal |
| DCR6186 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | Pan-neuronal |
| OH812 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | Caenorhabditis Genetics Center | AVL |
| DCR6975 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | AVL |
| DCR7856 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | OLL in L1s; Pioneers in L1s |
| DCR7871 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{L}$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | OLL in L1s |
| DCR6853 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | AIB, ASH; Nuclei |
| DCR6631 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | AIB, ASH |
| DCR6633 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | AIB, ASH |
| DCR6182 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LLL}$ ] V | This Paper | AIB, ASH, Pioneers |
| DCR7844 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | AIY in L1s; Pioneers in L1 |
| DCR7870 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}$ + + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV olas85 | This Paper This Paper | AIY in L1s BAG: |
| DCR6358 | olals 85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{uL}$ ] IV <br> olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{uL}$ ] IV | This Paper This Paper | BAG; Nuclei BAG |
| DCR6653 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] ]V | This Paper | bag |
| DCR6744 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | BAG |
| DCR7692 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LLL}$ ] IV | Duncan et al., 2019 | RMDD |
| DCR3985 | olals55 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] VV | This Paper | All Membranes |
| DCR3986 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LLL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV olas85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ]V | This Paper This Paper | All Membranes ${ }^{\text {All Membranes; } 16 \text { Pioneers }}$ |
| DCR6142 <br> DCR6143 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{uL}$ ] IV olals 85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{uL}]$ IV | This Paper This Paper | All Membranes; 16 Pioneers All Membranes; 16 Pioneers |
| DCR4485 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LLL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | Pan-neuronal |
| DCR6139 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | Pan-neuronal; 16 Pioneers |
| DCR6140 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ]/V | This Paper | Pan-neuronal; 16 Pioneers |
| DCR6861 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LL}$ ] IV | This Paper | Cell Death Marker; 16 Pioneers |
| DCR6864 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LLL}$ ] IV | This Paper | Cell Death Marker; 16 Pioneers |
| DCR6862 | olals 85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ + DACR20 at $25 \mathrm{ng} / \mathrm{LLL}$ ] V | This Paper | Cell Death Marker |
| DCR7862 | olals 85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{uL}$ ] IV <br> olals 85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{uL}$ ] IV | This Paper This Paper | AIB in L1s; Pioneers in L1s AIB in L1s |
| DCR7872 DCR6298 | olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{LL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{uL}$ ] IV olals85 [DACR2292 at $50 \mathrm{ng} / \mathrm{uL}+$ DACR20 at $25 \mathrm{ng} / \mathrm{uL}$ IV | This Paper This Paper | (ABB in L1s ${ }_{\text {S }}$ SAV, AFD, ADF, AWC, AWB |

