|  |  |  |
| --- | --- | --- |
| **LIN-39 targets in cholinergic MNs** |  |  **LIN-39 targets in GABAergic VD MNs** |
|  | **COE** motif (relative to ATG) | **LIN-39** sites(relative to ATG) | **P value** |  |  | **UNC-30** sites(relative to ATG) | **LIN-39** sites(relative to ATG) | **P value** |
| *unc-129* | *COE1 (-262-240)**COE2 (-346-324)**COE3 (-458-436)* | *LIN-39 sites:**#1 (-444-437)**#2 (-421-414)**#3 (-376-369)* | *#1 p=0.000119**#2 p=0.00474**#3 p=0.0014* |  | *oig-1\** | *Peak#4* | *N. D.* | *LIN-39 sites:**#1 (-1957-1950)**#2 (-1868-1861)**#3 (-1804-1797)* | *#1 p=0.00162**#2 p=0.00144**#3 p=0.000645* |
| *Peak#3* | *UNC-30 site:**(-955-951)* | *#4 (-974-967)* *#5 (-843-836)**#6 (-801-794)* | *#4 p=0.00377**#5 p=0.00474**#6 p=0.00441* |
| *del-1* | *COE1 (-194-172)**COE2 (-2374-2352)* |  *LIN-39 sites:**#1 (-276-269)**#2 (-323-316)**#3 (-389-382)**#4 (-487-480)**#5 (-2445-2438)**#6 (-2609-2602)* | *#1 p=0.00259**#2 p=0.00386**#3 p=0.00187**#4 p=0.00402**#5 p=0.0000396**#6 p=0.00483* |  | *ser-2\** | *UNC-30 site:**#1 (-253-246)* | *LIN-39 site:**#1 (-311-304)**#2 (-254-247)**#3 (-198-191)**#4 (-183-176)**#5 (-139-132)**#6 (+121-128)**#7 (+141-148)* | *#1 p=0.00368**#2 p=0.00274**#3 p=0.00472**#4 p=0.00181**#5 p=0.00144**#6 p=0.00461**#7 p=0.000491* |
| *acr-2\** | *COE2 (-483-461)**COE1 (-147-126)* |  *LIN-39 sites:**#1 (-791-784)**#2 (-759-752)**#3 (-646-639)**#4 (-580-564)**#5 (-486-479)**#6 (-482-475)**#7 (-468-461)**#8 (-464-457)* | *#1 p=0.000864**#2 p=0.000574**#3 p=0.0016**#4 p=0.0047**#5 p=0.00205**#6 p=0.00135**#7 p=0.0045**#8 p=0.00325* |  |  |  |  |  |
| *dbl-1\** | *COE1 (-1433-1411)**COE2 (-1231-1210)* | *LIN-39 sites:**#1 (-1475-1468)**#2 (-1460-1453)**#3 (-1217-1210)**#4 (-1209-1202)**#5 (-1087-1080)**#6 (-1078-1071)**#7 (-1035-1-28)* | *#1 p=0.00474**#2 p=0.00441**#3 p=0.000947**#4 p=0.00199**#5 p=0.000513**#6 p=0.0027**#7 p=0.000574* |  |  |  |  |  |

**Supplementary File 2:**

**LIN-39/Hox targets in cholinergic and GABAergic (VD) motor neurons.**