

Figure S1. Validation of *ULK1*KO-, *FIP200*KO- and *ATG5*KO-MEFs, and *Beclin1*KD-U251 cells. (A-D) The expression levels of *ULK1*, *FIP200*, *ATG5* and *Beclin1* were detected in *ULK1*KO-MEFs (*ULK1*), *FIP200*KO-MEFs (*FIP200*), *ATG5*KO-MEFs (*ATG5*), and *Beclin1*KD-U251 cells (*Beclin1*), respectively. (E) Wild-type MEFs (WT), *FIP200*KO-MEFs (*FIP200*), *ULK1*KO-MEFs (*ULK1*) and *ATG5*KO-MEFs (*ATG5*) were treated with EBSS for 2h, then analyzed by immunoblotting. (F) Quantification of LC3-II/ α -Tubulin in (E). (G) Quantification of LC3-II/ β -Actin in Figure 1A. CM, complete medium. * $p<0.05$, ** $p<0.005$. ns, not significant.

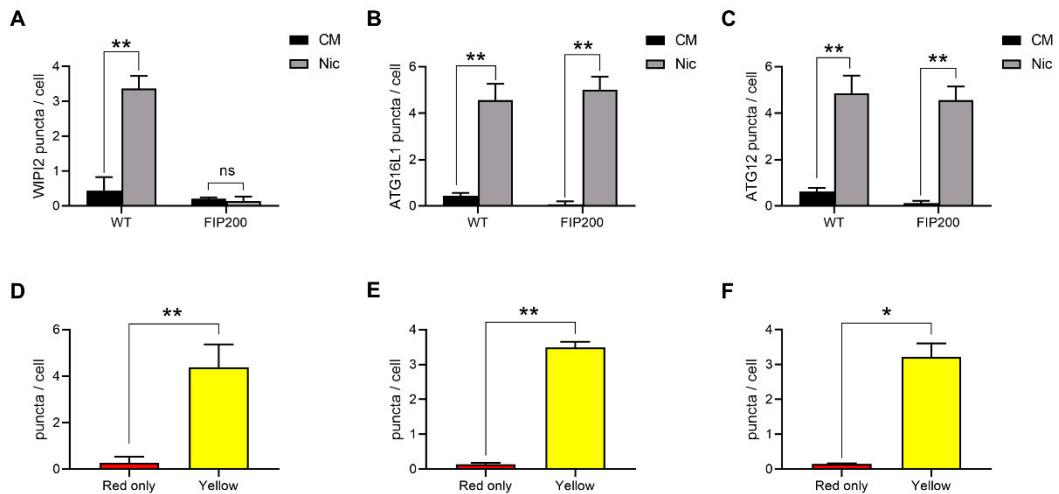


Figure S2. Quantification of puncta in Figure 2. (A-D) Quantification of WIPI2 (A), ATG16L1 (B), and ATG12 (C) puncta, and the colocalization of ATG16L1 and ATG12 puncta in Figure 2A-D. (E-F) Quantification the colocalization of ATG16L1 and LC3 (E) and ATG12 and LC3 (F) in Figure 2F and G. CM, complete medium. * $p<0.05$, ** $p<0.005$. ns, not significant.

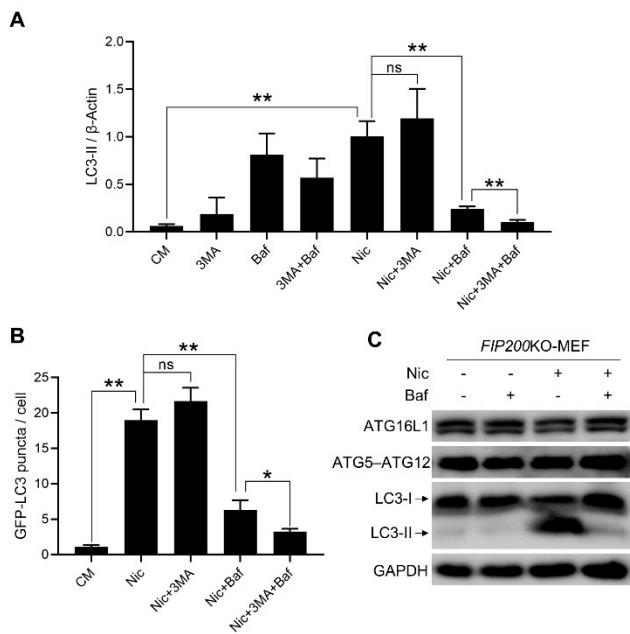


Figure S3. Nic-induced NCLL could be inhibited by Baf. (A) Quantification of LC3-II/ β -Actin ratio in Figure 3C. (B) Quantification of GFP-LC3 puncta in Figure 3D. (C) *FIP200KO-MEFs* were treated by Nic (10 μ M) with or without Baf (0.5 μ M) for 6 h and then the expression levels of ATG16L1 and ATG5-ATG12 were analyzed. CM, complete medium. * p <0.05, ** p <0.005. ns, not significant.

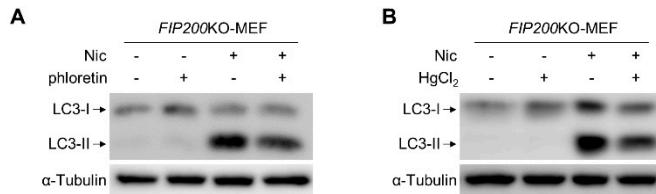


Figure S4. Nic-induced NCLL was regulated by osmotic imbalances. (A-B) *FIP200KO-MEFs* were treated with Nic (10 μ M) in the presence or absence of phloretin (200 μ M) or mercury chloride (HgCl₂, 2 μ M) for 6 h and then the LC3-II formation was analyzed.

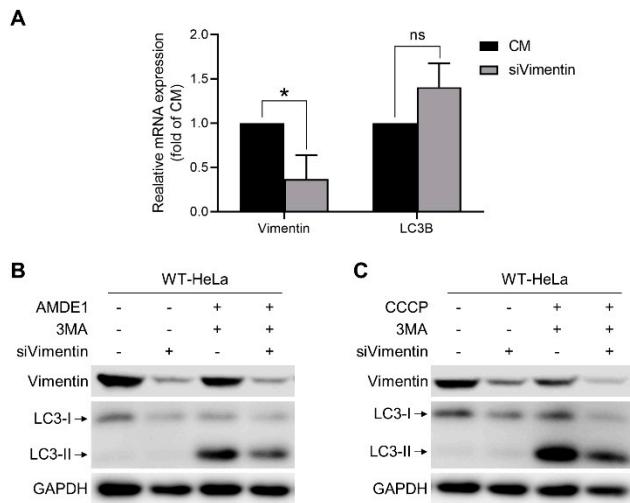


Figure S5. Vimentin was involved in Nic-induced NCLL. (A) Wild-type HeLa cells were transfected with the siRNA of *vimentin* (siVimentin) for 72 h, then the mRNA levels of Vimentin and LC3B were analyzed by qRT-PCR. (B-C) The siRNA of *vimentin*(siVimentin) was transfected to wild-type HeLa cells, followed by treatment with AMDE1 (10 μ M) (B) or CCCP (30 μ M) (C) in the presence or absence of 3MA (10 mM) for 6 h and then the LC3-II formation was analyzed. CM, complete medium. *p<0.05. ns, not significant.

Table S1 The LC-MS data of “molecule capture”

| | Accession | Description | Score | Coverage | # Proteins | # Unique Peptides | # Peptides | # PSMs | # AAs | MW [kDa] | calc. pI |
|---|-----------|--|----------|----------|------------|-------------------|------------|--------|-------|----------|----------|
| 1 | P20152 | Vimentin OS=Mus musculus GN=Vim PE=1 SV=3 - [VIME_MOUSE] | 1243.593 | 42.06 | 7 | 22 | 22 | 55 | 466 | 53.65507 | 5.122559 |
| 2 | Q9QXS1 | Plectin OS=Mus musculus GN=Plec PE=1 SV=3 - [PLEC_MOUSE] | 934.4464 | 9.74 | 2 | 43 | 43 | 58 | 4691 | 533.8611 | 5.960449 |
| 3 | P62806 | Histone H4 OS=Mus musculus GN=Hist1h4a PE=1 SV=2 - [H4_MOUSE] | 881.9098 | 51.46 | 1 | 6 | 6 | 43 | 103 | 11.36038 | 11.35596 |
| 4 | Q62167 | ATP-dependent RNA helicase DDX3X OS=Mus musculus GN=Ddx3x PE=1 SV=3 - [DDX3X_MOUSE] | 396.5608 | 12.24 | 4 | 7 | 8 | 17 | 662 | 73.05603 | 7.181152 |
| 5 | P60710 | Actin, cytoplasmic 1 OS=Mus musculus GN=Actb PE=1 SV=1 - [ACTB_MOUSE] | 379.2931 | 22.4 | 2 | 2 | 7 | 21 | 375 | 41.70973 | 5.478027 |
| 6 | P63017 | Heat shock cognate 71 kDa protein OS=Mus musculus GN=Hspa8 PE=1 SV=1 - [HSP7C_MOUSE] | 362.7675 | 16.72 | 5 | 9 | 10 | 19 | 646 | 70.82722 | 5.516113 |
| 7 | P68033 | Actin, alpha cardiac muscle 1 OS=Mus musculus GN=Actc1 PE=1 SV=1 - [ACTC_MOUSE] | 279.8592 | 21.75 | 4 | 2 | 7 | 20 | 377 | 41.99188 | 5.38916 |
| 8 | P02535 | Keratin, type I cytoskeletal 10 OS=Mus musculus GN=Krt10 PE=1 SV=3 - [K1C10_MOUSE] | 259.5796 | 7.89 | 1 | 3 | 4 | 6 | 570 | 57.73506 | 5.109863 |
| 9 | P52480 | Pyruvate kinase PKM OS=Mus musculus | 247.0927 | 19.59 | 2 | 9 | 9 | 15 | 531 | 57.80801 | 7.474121 |

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|----|--------|---|----------|-------|----|---|----|----|------|----------|----------|
| | | GN=Pkm PE=1 SV=4 - [KPYM_MOUSE] | | | | | | | | | |
| 10 | Q61879 | Myosin-10 OS=Mus musculus GN=Myh10 PE=1 SV=2 - [MYH10_MOUSE] | 233.9148 | 6.48 | 1 | 7 | 11 | 17 | 1976 | 228.855 | 5.541504 |
| 11 | Q03265 | ATP synthase subunit alpha, mitochondrial OS=Mus musculus GN=Atp5a1 PE=1 SV=1 - [ATPA_MOUSE] | 228.1556 | 10.67 | 1 | 6 | 6 | 8 | 553 | 59.7156 | 9.187988 |
| 12 | Q8VEK3 | Heterogeneous nuclear ribonucleoprotein U OS=Mus musculus GN=Hnrnpu PE=1 SV=1 - [HNRPU_MOUSE] | 227.0289 | 7.63 | 1 | 6 | 6 | 12 | 800 | 87.86273 | 6.239746 |
| 13 | P10126 | Elongation factor 1-alpha 1 OS=Mus musculus GN=Eef1a1 PE=1 SV=3 - [EF1A1_MOUSE] | 185.0558 | 8.87 | 2 | 4 | 4 | 9 | 462 | 50.0821 | 9.012207 |
| 14 | Q64523 | Histone H2A type 2-C OS=Mus musculus GN=Hist2h2ac PE=1 SV=3 - [H2A2C_MOUSE] | 157.7886 | 49.61 | 12 | 4 | 4 | 10 | 129 | 13.97984 | 10.90186 |
| 15 | Q8BFZ3 | Beta-actin-like protein 2 OS=Mus musculus GN=Actbl2 PE=1 SV=1 - [ACTBL_MOUSE] | 155.8082 | 13.03 | 1 | 1 | 4 | 7 | 376 | 41.97699 | 5.490723 |
| 16 | P67778 | Prohibitin OS=Mus musculus GN=Phb PE=1 SV=1 - [PHB_MOUSE] | 145.2343 | 19.49 | 1 | 5 | 5 | 6 | 272 | 29.8019 | 5.757324 |
| 17 | P11499 | Heat shock protein HSP 90-beta OS=Mus musculus GN=Hsp90ab1 PE=1 SV=3 - [HS90B_MOUSE] | 132.3134 | 6.91 | 3 | 4 | 4 | 5 | 724 | 83.22912 | 5.033691 |
| 18 | O35129 | Prohibitin-2 OS=Mus musculus GN=Phb2 PE=1 SV=1 - [PHB2_MOUSE] | 121.8405 | 14.05 | 1 | 4 | 4 | 9 | 299 | 33.27592 | 9.83252 |
| 19 | Q9Z204 | Heterogeneous nuclear ribonucleoproteins C1/C2 OS=Mus musculus GN=Hnrnpc PE=1 | 119.4068 | 13.1 | 1 | 4 | 4 | 9 | 313 | 34.36386 | 5.046387 |

| | | SV=1 - [HNRPC_MOUSE] | | | | | | | | | |
|----|--------|--|----------|-------|---|---|---|---|-----|----------|----------|
| 20 | P35550 | rRNA 2'-O-methyltransferase fibrillarin OS=Mus musculus GN=Fbl PE=1 SV=2 - [FBRL_MOUSE] | 110.5403 | 11.01 | 2 | 3 | 3 | 4 | 327 | 34.28568 | 10.24268 |
| 21 | P48678 | Prelamin-A/C OS=Mus musculus GN=Lmna PE=1 SV=2 - [LMNA_MOUSE] | 103.6296 | 6.77 | 1 | 5 | 5 | 8 | 665 | 74.1927 | 6.976074 |
| 22 | Q9JIK5 | Nucleolar RNA helicase 2 OS=Mus musculus GN=Ddx21 PE=1 SV=3 - [DDX21_MOUSE] | 97.63988 | 4.35 | 1 | 3 | 3 | 6 | 851 | 93.49324 | 9.114746 |
| 23 | Q9R190 | Metastasis-associated protein MTA2 OS=Mus musculus GN=Mta2 PE=1 SV=1 - [MTA2_MOUSE] | 88.05667 | 3.74 | 3 | 2 | 2 | 3 | 668 | 74.98266 | 9.671387 |
| 24 | P56959 | RNA-binding protein FUS OS=Mus musculus GN=Fus PE=1 SV=1 - [FUS_MOUSE] | 82.46597 | 2.32 | 1 | 1 | 1 | 2 | 518 | 52.64151 | 9.36377 |
| 25 | P62827 | GTP-binding nuclear protein Ran OS=Mus musculus GN=Ran PE=1 SV=3 - [RAN_MOUSE] | 82.39336 | 10.19 | 2 | 2 | 2 | 3 | 216 | 24.40762 | 7.48877 |
| 26 | Q6DFW4 | Nucleolar protein 58 OS=Mus musculus GN=Nop58 PE=1 SV=1 - [NOP58_MOUSE] | 74.82 | 3.36 | 1 | 1 | 1 | 1 | 536 | 60.30472 | 8.338379 |
| 27 | Q7TMK9 | Heterogeneous nuclear ribonucleoprotein Q OS=Mus musculus GN=Syncrip PE=1 SV=2 - [HNRPQ_MOUSE] | 69.02728 | 4.98 | 1 | 3 | 3 | 4 | 623 | 69.58961 | 8.587402 |
| 28 | Q91VR5 | ATP-dependent RNA helicase DDX1 OS=Mus musculus GN=Ddx1 PE=1 SV=1 - [DDX1_MOUSE] | 67.68 | 2.84 | 1 | 1 | 1 | 1 | 740 | 82.44777 | 7.210449 |

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|----|--------|--|----------|-------|---|---|---|---|------|----------|----------|
| 29 | P16858 | Glyceraldehyde-3-phosphate dehydrogenase OS=Mus musculus GN=Gapdh PE=1 SV=2 - [G3P_MOUSE] | 67.64439 | 12.61 | 1 | 4 | 4 | 5 | 333 | 35.78721 | 8.250488 |
| 30 | P68040 | Guanine nucleotide-binding protein subunit beta-2-like 1 OS=Mus musculus GN=Gnb2l1 PE=1 SV=3 - [GBLP_MOUSE] | 67.46084 | 11.67 | 1 | 3 | 3 | 3 | 317 | 35.05456 | 7.693848 |
| 31 | O70133 | ATP-dependent RNA helicase A OS=Mus musculus GN=Dhx9 PE=1 SV=2 - [DHX9_MOUSE] | 66.44217 | 3.26 | 1 | 4 | 4 | 4 | 1380 | 149.3805 | 6.82959 |
| 32 | Q922J9 | Fatty acyl-CoA reductase 1 OS=Mus musculus GN=Far1 PE=1 SV=1 - [FACR1_MOUSE] | 65.29958 | 3.69 | 1 | 2 | 2 | 3 | 515 | 59.39674 | 9.187988 |
| 33 | P17095 | High mobility group protein HMG-I/HMG-Y OS=Mus musculus GN=Hmga1 PE=1 SV=4 - [HMGA1_MOUSE] | 62.63242 | 22.43 | 1 | 2 | 2 | 2 | 107 | 11.60714 | 10.31592 |
| 34 | P19324 | Serpin H1 OS=Mus musculus GN=Serpinh1 PE=1 SV=3 - [SERPH_MOUSE] | 62.12914 | 5.52 | 1 | 2 | 2 | 3 | 417 | 46.50419 | 8.821777 |
| 35 | Q8BTM8 | Filamin-A OS=Mus musculus GN=Flna PE=1 SV=5 - [FLNA_MOUSE] | 60.48438 | 0.87 | 1 | 2 | 2 | 2 | 2647 | 281.0459 | 6.036621 |
| 36 | P61750 | ADP-ribosylation factor 4 OS=Mus musculus GN=Arf4 PE=1 SV=2 - [ARF4_MOUSE] | 59.67 | 10 | 1 | 1 | 1 | 1 | 180 | 20.38361 | 7.137207 |
| 37 | P30999 | Catenin delta-1 OS=Mus musculus GN=Ctnnd1 PE=1 SV=2 - [CTND1_MOUSE] | 59.6 | 2.35 | 1 | 1 | 1 | 1 | 938 | 104.86 | 6.873535 |
| 38 | Q3TEA8 | Heterochromatin protein 1-binding protein | 58.53448 | 3.07 | 1 | 2 | 2 | 2 | 554 | 60.82909 | 9.700684 |

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|----|--------|--|----------|------|---|---|---|---|------|----------|----------|
| | | 3 OS=Mus musculus GN=Hp1bp3 PE=1 SV=1 - [HP1B3_MOUSE] | | | | | | | | | |
| 39 | Q9CQW9 | Interferon-induced transmembrane protein 3 OS=Mus musculus GN=Ifitm3 PE=1 SV=1 - [IFM3_MOUSE] | 57.89 | 5.84 | 2 | 1 | 1 | 2 | 137 | 14.94459 | 7.400879 |
| 40 | P13864 | DNA (cytosine-5)-methyltransferase 1 OS=Mus musculus GN=Dnmt1 PE=1 SV=5 - [DNMT1_MOUSE] | 56.46713 | 1.3 | 1 | 2 | 2 | 2 | 1620 | 183.0736 | 7.737793 |
| 41 | Q69ZN7 | Myoferlin OS=Mus musculus GN=Myof PE=1 SV=2 - [MYOF_MOUSE] | 56.44 | 0.93 | 1 | 2 | 2 | 2 | 2048 | 233.1767 | 6.163574 |
| 42 | Q8R081 | Heterogeneous nuclear ribonucleoprotein L OS=Mus musculus GN=Hnrnpl PE=1 SV=2 - [HNRPL_MOUSE] | 52.51229 | 5.12 | 1 | 3 | 3 | 3 | 586 | 63.92325 | 8.104004 |
| 43 | Q9D0E1 | Heterogeneous nuclear ribonucleoprotein M OS=Mus musculus GN=Hnrnpm PE=1 SV=3 - [HNRPM_MOUSE] | 52.49439 | 5.49 | 1 | 3 | 3 | 4 | 729 | 77.59738 | 8.631348 |
| 44 | Q9JKF1 | Ras GTPase-activating-like protein IQGAP1 OS=Mus musculus GN=Iqgap1 PE=1 SV=2 - [IQGA1_MOUSE] | 50.45 | 0.42 | 1 | 1 | 1 | 1 | 1657 | 188.6243 | 6.480957 |
| 45 | Q9JIG8 | PRA1 family protein 2 OS=Mus musculus GN=Praf2 PE=1 SV=1 - [PRAF2_MOUSE] | 50.14987 | 6.18 | 1 | 1 | 1 | 2 | 178 | 19.46572 | 9.598145 |
| 46 | Q9Z1Q9 | Valine--tRNA ligase OS=Mus musculus GN=Vars PE=1 SV=1 - [SYVC_MOUSE] | 48.46 | 1.74 | 1 | 2 | 2 | 2 | 1263 | 140.1271 | 7.76709 |
| 47 | Q9DBG6 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2 OS=Mus musculus GN=Rpn2 PE=1 SV=1 - | 46.73 | 1.43 | 1 | 1 | 1 | 1 | 631 | 69.02004 | 5.808105 |

| | | [RPN2_MOUSE] | | | | | | | | | |
|----|--------|---|---------|------|---|---|---|---|------|----------|----------|
| 48 | P46978 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A OS=Mus musculus GN=Stt3a PE=1 SV=1 - [STT3A_MOUSE] | 44.87 | 2.7 | 1 | 1 | 1 | 1 | 705 | 80.54494 | 8.104004 |
| 49 | Q921N6 | Probable ATP-dependent RNA helicase DDX27 OS=Mus musculus GN=Ddx27 PE=1 SV=3 - [DDX27_MOUSE] | 43.28 | 1.58 | 1 | 1 | 1 | 1 | 760 | 85.88516 | 9.246582 |
| 50 | Q99JB2 | Stomatin-like protein 2, mitochondrial OS=Mus musculus GN=Stoml2 PE=1 SV=1 - [STML2_MOUSE] | 42.5 | 3.97 | 1 | 1 | 1 | 1 | 353 | 38.36122 | 8.865723 |
| 51 | P02088 | Hemoglobin subunit beta-1 OS=Mus musculus GN=Hbb-b1 PE=1 SV=2 - [HBB1_MOUSE] | 42.02 | 6.8 | 3 | 1 | 1 | 1 | 147 | 15.83015 | 7.649902 |
| 52 | Q9DBE9 | pre-rRNA processing protein FTSJ3 OS=Mus musculus GN=Ftsj3 PE=1 SV=1 - [SPB1_MOUSE] | 40.52 | 0.95 | 1 | 1 | 1 | 1 | 838 | 95.47388 | 8.382324 |
| 53 | Q5SS00 | DBF4-type zinc finger-containing protein 2 homolog OS=Mus musculus GN=Zdbf2 PE=2 SV=1 - [ZDBF2_MOUSE] | 39.7617 | 0.28 | 1 | 1 | 1 | 4 | 2493 | 273.5778 | 5.224121 |
| 54 | Q6NS46 | Protein RRP5 homolog OS=Mus musculus GN=Pcdcl1 PE=1 SV=2 - [RRP5_MOUSE] | 38.4 | 0.48 | 1 | 1 | 1 | 1 | 1862 | 207.6486 | 8.748535 |
| 55 | Q8BGZ7 | Keratin, type II cytoskeletal 75 OS=Mus musculus GN=Krt75 PE=1 SV=1 - [K2C75_MOUSE] | 37.9 | 1.81 | 3 | 1 | 1 | 1 | 551 | 59.70392 | 8.309082 |
| 56 | Q8VEM8 | Phosphate carrier protein, mitochondrial | 37.74 | 2.8 | 1 | 1 | 1 | 1 | 357 | 39.60646 | 9.26123 |

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|----|--------|--|----------|------|---|---|---|---|------|----------|----------|
| | | OS=Mus musculus GN=Slc25a3 PE=1 SV=1 - [MPCP_MOUSE] | | | | | | | | | |
| 57 | P11276 | Fibronectin OS=Mus musculus GN=Fn1 PE=1 SV=4 - [FINC_MOUSE] | 37.23 | 1.37 | 1 | 3 | 3 | 3 | 2477 | 272.3678 | 5.592285 |
| 58 | Q60972 | Histone-binding protein RBBP4 OS=Mus musculus GN=Rbbp4 PE=1 SV=5 - [RBBP4_MOUSE] | 37.14 | 1.88 | 2 | 1 | 1 | 1 | 425 | 47.62607 | 4.894043 |
| 59 | Q99JR8 | SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 2 OS=Mus musculus GN=Smarcd2 PE=1 SV=2 - [SMRD2_MOUSE] | 36.12 | 1.88 | 1 | 1 | 1 | 1 | 531 | 59.04763 | 9.64209 |
| 60 | P60843 | Eukaryotic initiation factor 4A-I OS=Mus musculus GN=Eif4a1 PE=1 SV=1 - [IF4A1_MOUSE] | 36.11225 | 2.46 | 2 | 1 | 1 | 2 | 406 | 46.12456 | 5.478027 |
| 61 | Q8BX17 | Gem-associated protein 5 OS=Mus musculus GN=Gemin5 PE=1 SV=2 - [GEMI5_MOUSE] | 34.95 | 0.53 | 1 | 1 | 1 | 1 | 1502 | 166.4868 | 6.712402 |
| 62 | P28740 | Kinesin-like protein KIF2A OS=Mus musculus GN=Kif2a PE=1 SV=2 - [KIF2A_MOUSE] | 34.35 | 1.13 | 1 | 1 | 1 | 1 | 705 | 79.70658 | 6.727051 |
| 63 | P61211 | ADP-ribosylation factor-like protein 1 OS=Mus musculus GN=Arl1 PE=1 SV=1 - [ARL1_MOUSE] | 33.98 | 8.84 | 1 | 1 | 1 | 1 | 181 | 20.39847 | 5.719238 |
| 64 | Q3UJB9 | Enhancer of mRNA-decapping protein 4 OS=Mus musculus GN=Edc4 PE=1 SV=2 - | 33.66 | 0.57 | 1 | 1 | 1 | 2 | 1406 | 152.3892 | 5.782715 |

| | | [EDC4_MOUSE] | | | | | | | | | |
|----|--------|---|----------|-------|---|---|---|---|------|----------|----------|
| 65 | Q9CX86 | Heterogeneous nuclear ribonucleoprotein A0 OS=Mus musculus GN=Hnrnpa0 PE=1 SV=1 - [ROA0_MOUSE] | 33.65 | 2.3 | 4 | 1 | 1 | 1 | 305 | 30.51173 | 9.305176 |
| 66 | P62315 | Small nuclear ribonucleoprotein Sm D1 OS=Mus musculus GN=Snrnd1 PE=1 SV=1 - [SMD1_MOUSE] | 33.16 | 10.92 | 1 | 1 | 1 | 1 | 119 | 13.27336 | 11.56104 |
| 67 | Q9JJW6 | Aly/REF export factor 2 OS=Mus musculus GN=Alyref2 PE=1 SV=1 - [ALRF2_MOUSE] | 32.83712 | 5.05 | 2 | 1 | 1 | 2 | 218 | 23.71592 | 10.0376 |
| 68 | P12382 | ATP-dependent 6-phosphofructokinase, liver type OS=Mus musculus GN=Pfkl PE=1 SV=4 - [PFKAL_MOUSE] | 30.34 | 1.15 | 3 | 1 | 1 | 1 | 780 | 85.30541 | 7.166504 |
| 69 | Q920E5 | Farnesyl pyrophosphate synthase OS=Mus musculus GN=Fdps PE=1 SV=1 - [FPPS_MOUSE] | 29.94 | 3.68 | 1 | 1 | 1 | 1 | 353 | 40.55569 | 5.655762 |
| 70 | Q8BKS9 | Pumilio domain-containing protein KIAA0020 OS=Mus musculus GN=Kiaa0020 PE=1 SV=2 - [K0020_MOUSE] | 29.24 | 1.24 | 1 | 1 | 1 | 2 | 647 | 72.75383 | 9.656738 |
| 71 | Q8BND3 | WD repeat-containing protein 35 OS=Mus musculus GN=Wdr35 PE=1 SV=3 - [WDR35_MOUSE] | 29.06 | 0.59 | 1 | 1 | 1 | 1 | 1181 | 133.9055 | 6.341309 |
| 72 | Q91VR2 | ATP synthase subunit gamma, mitochondrial OS=Mus musculus GN=Atp5c1 PE=1 SV=1 - [ATPG_MOUSE] | 28.88 | 3.36 | 1 | 1 | 1 | 1 | 298 | 32.86514 | 9.012207 |
| 73 | Q8VDJ3 | Vigilin OS=Mus musculus GN=Hdlbp PE=1 SV=1 - [VIGLN_MOUSE] | 28.22 | 1.42 | 1 | 2 | 2 | 2 | 1268 | 141.6553 | 6.873535 |

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|----|--------|---|-------|-------|---|---|---|---|------|----------|----------|
| 74 | Q9CQY5 | Magnesium transporter protein 1 OS=Mus musculus GN=Magt1 PE=1 SV=1 - [MAGT1_MOUSE] | 27.99 | 2.69 | 1 | 1 | 1 | 1 | 335 | 37.94441 | 9.759277 |
| 75 | Q8CGC7 | Bifunctional glutamate/proline-tRNA ligase OS=Mus musculus GN=Eprs PE=1 SV=4 - [SYEP_MOUSE] | 27.91 | 0.53 | 1 | 1 | 1 | 1 | 1512 | 169.9716 | 7.664551 |
| 76 | P29341 | Polyadenylate-binding protein 1 OS=Mus musculus GN=Pabpc1 PE=1 SV=2 - [PABP1_MOUSE] | 27.57 | 3.62 | 1 | 2 | 2 | 2 | 636 | 70.62587 | 9.495605 |
| 77 | Q8BL97 | Serine/arginine-rich splicing factor 7 OS=Mus musculus GN=Srsf7 PE=1 SV=1 - [SRSF7_MOUSE] | 27.3 | 3.37 | 1 | 1 | 1 | 1 | 267 | 30.79884 | 11.89795 |
| 78 | Q99P88 | Nuclear pore complex protein Nup155 OS=Mus musculus GN=Nup155 PE=1 SV=1 - [NU155_MOUSE] | 27.27 | 0.58 | 1 | 1 | 1 | 1 | 1391 | 155.0189 | 6.150879 |
| 79 | Q5XJY5 | Coatomer subunit delta OS=Mus musculus GN=Arcn1 PE=1 SV=2 - [COPD_MOUSE] | 27.11 | 1.76 | 1 | 1 | 1 | 1 | 511 | 57.1932 | 6.214355 |
| 80 | Q8BGH2 | Sorting and assembly machinery component 50 homolog OS=Mus musculus GN=Samm50 PE=1 SV=1 - [SAM50_MOUSE] | 26.86 | 2.99 | 1 | 1 | 1 | 1 | 469 | 51.83129 | 6.800293 |
| 81 | P01942 | Hemoglobin subunit alpha OS=Mus musculus GN=Hba PE=1 SV=2 - [HBA_MOUSE] | 25.7 | 10.56 | 1 | 1 | 1 | 1 | 142 | 15.07576 | 8.221191 |
| 82 | Q8K224 | N-acetyltransferase 10 OS=Mus musculus GN=Nat10 PE=1 SV=1 - [NAT10_MOUSE] | 24.64 | 0.78 | 1 | 1 | 1 | 1 | 1024 | 115.3456 | 8.32373 |

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| 83 | Q8K2Z4 | Condensin complex subunit 1 OS=Mus musculus GN=Ncapd2 PE=1 SV=2 - [CND1_MOUSE] | 24.48 | 0.57 | 1 | 1 | 1 | 1 | 1392 | 155.5667 | 6.379395 |
| 84 | Q99ME9 | Nucleolar GTP-binding protein 1 OS=Mus musculus GN=Gtpbp4 PE=1 SV=3 - [NOG1_MOUSE] | 24.14 | 2.05 | 1 | 1 | 1 | 1 | 634 | 74.06587 | 9.524902 |
| 85 | Q8CI11 | Guanine nucleotide-binding protein-like 3 OS=Mus musculus GN=Gnl3 PE=1 SV=2 - [GNL3_MOUSE] | 23.57 | 1.49 | 1 | 1 | 1 | 1 | 538 | 60.74881 | 9.114746 |
| 86 | Q91V61 | Sideroflexin-3 OS=Mus musculus GN=Sfxn3 PE=1 SV=1 - [SFXN3_MOUSE] | 23.03 | 2.8 | 2 | 1 | 1 | 1 | 321 | 35.38352 | 9.510254 |
| 87 | P52927 | High mobility group protein HMGI-C OS=Mus musculus GN=Hmga2 PE=1 SV=1 - [HMGA2_MOUSE] | 22.24 | 7.41 | 1 | 1 | 1 | 1 | 108 | 11.81211 | 10.62354 |
| 88 | Q9D0D4 | Probable dimethyladenosine transferase OS=Mus musculus GN=Dimt1 PE=2 SV=1 - [DIM1_MOUSE] | 21.98 | 2.88 | 1 | 1 | 1 | 1 | 313 | 35.25203 | 9.993652 |
| 89 | Q62159 | Rho-related GTP-binding protein RhoC OS=Mus musculus GN=Rhoc PE=1 SV=2 - [RHOC_MOUSE] | 21.94 | 4.15 | 2 | 1 | 1 | 1 | 193 | 21.99226 | 6.580566 |
| 90 | P15092 | Interferon-activatable protein 204 OS=Mus musculus GN=Ifi204 PE=1 SV=2 - [IFI4_MOUSE] | 21.69 | 1.25 | 1 | 1 | 1 | 1 | 640 | 71.6053 | 8.689941 |
| 91 | Q9Z110 | Delta-1-pyrroline-5-carboxylate synthase OS=Mus musculus GN=Aldh18a1 PE=1 SV=2 - [P5CS_MOUSE] | 20.61 | 1.13 | 1 | 1 | 1 | 1 | 795 | 87.21187 | 7.547363 |

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| 92 | O35286 | Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 OS=Mus musculus GN=Dhx15 PE=1 SV=2 - [DHX15_MOUSE] | 20.08 | 1.38 | 1 | 1 | 1 | 3 | 795 | 90.94921 | 7.459473 |
|----|--------|--|-------|------|---|---|---|---|-----|----------|----------|