

**Electronic Supplementary Information**

**Selenium deficiency induces duodenal villi cells apoptosis via  
oxidative stress-induced mitochondrial apoptosis pathway  
and inflammatory signaling-induced death receptor  
pathway**

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Tab.S1 Selenium concentration of control group and SeD group chicken in the whole blood and duodenum mucosa.

| Sample          | Group   | 7d              | 21d             | 35d             |
|-----------------|---------|-----------------|-----------------|-----------------|
| Whole blood     | SD      | 0.0750±0.0141*  | 0.0433±0.0027** | 0.0220±0.0030** |
|                 | Control | 0.1381±0.0124   | 0.1433±0.0013   | 0.1545±0.0021   |
| Duodenum mucosa | SD      | 0.0834±0.0169** | 0.0491±0.0176** | 0.0311±0.0147** |
|                 | Control | 0.2171±0.0109   | 0.2231±0.0184   | 0.2493±0.0136   |

\* Indicates a significant difference from the control group at the  $P < 0.05$  level;

\*\* Indicates a significant difference from the control group at the  $P < 0.01$  level.

Tab.S2 List of antibodies used in Western blotting.

| Antibody Name                                | Company and Product Number              | Dilution |
|----------------------------------------------|-----------------------------------------|----------|
| anti- $\beta$ -actin                         | Santa Cruze Biotechnology ( SC-7210 )   | 1:1500   |
| anti-AKT2                                    | Santa Cruze Biotechnology (sc-8312 )    | 1:1500   |
| anti-IKK $\alpha$                            | Santa Cruze Biotechnology (sc-33437 )   | 1:1500   |
| anti-phospho-IKK $\alpha$<br>(Ser180/Ser181) | Santa Cruze Biotechnology (sc-23470-R ) | 1:1500   |
| anti-MEK2                                    | Santa Cruze Biotechnology (sc-525 )     | 1:1000   |
| anti-p65                                     | Santa Cruze Biotechnology (sc-114 )     | 1:1000   |
| anti-TOP1II $\beta$                          | Santa Cruze Biotechnology ( sc-13061)   | 1:1500   |
| anti-caspase-3                               | Abcam (ab13847)                         | 1:1500   |
| anti-cleaved caspase-3                       | Abcam (ab13585)                         | 1:1500   |
| anti-BCL-2                                   | Bioss Biotechnology (bs-0032R)          | 1:1000   |

Tab.S3 Primer sequences used in the study.

| Gene Name      | Sequence                                                            | Length (bp) |
|----------------|---------------------------------------------------------------------|-------------|
| <i>TOPIIIβ</i> | (F)5'-GAACATCCAAGGCTCTATC-3'<br>(R)5'-TCTGCCGTACTTTCATCTC-3'        | 200         |
| <i>AKT2</i>    | (F)5'-CTACAACCAGGACCACGAGC-3'<br>(R)5'-TTGATGGCGGCGAAGAAGC-3'       | 188         |
| <i>GPX1</i>    | (F)5'-GGCAAAGTGCTGCTGGTGG-3'<br>(R)5'- TCCTCGTTGGTGGCGTTCT-3'       | 177         |
| <i>MEK2</i>    | (F)5'-GGGAAAGTCAGCATAGCAG-3'<br>(R)5'-GCAACCGTTCAGGAGACA-3'         | 208         |
| <i>TrxR1</i>   | (F)5'-TACGCCTCTGGGAAATTCGT-3'<br>(R)5'-CTTGCAAGGCTTGTCCTCAGTA-3'    | 107         |
| <i>β-actin</i> | (F) 5'-ACCGCAAATGCTTCTAAAC-3'<br>(R)5'-GACTGCTGCTGACACCTTC-3'       | 171         |
| <i>TNF-α</i>   | (F)5'-AGATGGGAAGGGAATGAACC-3'<br>(R)5'-TCAGAGCATCAACGCAAAAG-3'      | 269         |
| <i>IL-1β</i>   | (F)5'-GGTCAACATCGCCACCTACA-3';<br>(R)5'-CATACGA GATGGAAACCAGCAA -3' | 86          |
| <i>IL-6</i>    | (F)5'-AAATCCCTCCTCGCCAATCT-3'<br>(R)5'-CCCTCACGGTCTTCTCCATAAA-3'    | 106         |
| <i>COX-2</i>   | (F)5'-TGTCCTTTCACCTGCTTTCCAT-3'<br>(R)5'-TTCCATTGCTGTGTTTGAGGT-3'   | 84          |
| <i>iNOS</i>    | (F)5'-CCTGGAGGTCCTGGAAGAGT-3'<br>(R)5'-CCTGGGTTTCAGAAGTGGC-3'       | 82          |

| Classification                                           | Number of proteins |             |             |
|----------------------------------------------------------|--------------------|-------------|-------------|
|                                                          | 7d (A1/B1)         | 21d (A2/B2) | 35d (A3/B3) |
| Identified peptides                                      | 18580/18565        | 18560/18565 | 18561/18569 |
| Identified proteins                                      | 3502               | 3502        | 3502        |
| Quantified proteins                                      | 3464/3460          | 3459/3460   | 3458/3463   |
| Total differentially expressed proteins <sup>1</sup>     | 231                | 390         | 358         |
| Annotated differentially expressed proteins <sup>1</sup> | 67                 | 127         | 119         |
| Unknown differentially expressed proteins <sup>1</sup>   | 164                | 263         | 239         |

Tab. S4. The number of the identified proteins in selenium deficiency and control groups at different time points.

<sup>1</sup>more than 1.2-fold or less than 0.832-fold ( $P < 0.05$ )

Tab. S5. The list of differentially expressed proteins of in selenium deficiency and control groups at 7 day

| Accession | Description                                                                  | Cov%  | MW<br>[kDa] | pI   | Proteins | UP | A1-B1 | p value |
|-----------|------------------------------------------------------------------------------|-------|-------------|------|----------|----|-------|---------|
| F1NN93    | Uncharacterized protein , GN=IQSEC3 PE=4 SV=2 - [F1NN93_CHICK]               | 1.15  | 115.37      | 6.11 | 1        | 1  | 3.508 | 0.000   |
| E1C522    | Uncharacterized protein , GN=NSUN4 PE=4 SV=1 - [E1C522_CHICK]                | 2.72  | 44.75       | 8.15 | 1        | 1  | 3.086 | 0.000   |
| F1NUW8    | Uncharacterized protein , GN=NOA1 PE=4 SV=2 - [F1NUW8_CHICK]                 | 1.72  | 69.87       | 9.20 | 1        | 1  | 3.064 | 0.000   |
| E1BZ01    | Uncharacterized protein , PE=4 SV=2 - [E1BZ01_CHICK]                         | 1.36  | 87.98       | 7.56 | 1        | 1  | 3.032 | 0.000   |
| E1C6U1    | Uncharacterized protein , GN=LPIN2 PE=2 SV=2 - [E1C6U1_CHICK]                | 1.65  | 95.88       | 5.76 | 2        | 1  | 2.652 | 0.000   |
| E1C0Q3    | Uncharacterized protein , GN=CYP1B1 PE=3 SV=2 - [E1C0Q3_CHICK]               | 1.39  | 56.02       | 9.77 | 2        | 1  | 2.462 | 0.000   |
| D2XV92    | SLIT1 (Fragment) , GN=SLIT1 PE=2 SV=1 - [D2XV92_CHICK]                       | 0.93  | 165.06      | 7.23 | 1        | 1  | 2.225 | 0.000   |
| E1C5J0    | Uncharacterized protein , GN=MTTP PE=4 SV=2 - [E1C5J0_CHICK]                 | 58.45 | 99.90       | 8.25 | 1        | 1  | 2.042 | 0.000   |
| E1BYM1    | mRNA cap guanine-N7 methyltransferase , GN=RNMT PE=3 SV=1 - [E1BYM1_CHICK]   | 2.41  | 47.51       | 5.62 | 1        | 1  | 1.993 | 0.000   |
| Q5ZIG7    | Uncharacterized protein , GN=RCJMB04_26g6 PE=2 SV=1 - [Q5ZIG7_CHICK]         | 54.17 | 75.55       | 7.47 | 3        | 2  | 1.823 | 0.000   |
| E1C350    | Uncharacterized protein , GN=CZH9orf95 PE=4 SV=1 - [E1C350_CHICK]            | 7.18  | 24.32       | 4.98 | 1        | 1  | 1.810 | 0.000   |
| E1C8H0    | Uncharacterized protein , GN=RAB4A PE=3 SV=2 - [E1C8H0_CHICK]                | 11.47 | 24.35       | 6.07 | 7        | 1  | 1.777 | 0.000   |
| F1NPK5    | Uncharacterized protein , GN=LOC769580 PE=4 SV=2 - [F1NPK5_CHICK]            | 0.79  | 96.68       | 6.92 | 1        | 1  | 1.743 | 0.000   |
| F1NCM6    | Uncharacterized protein , GN=WHSC2 PE=4 SV=1 - [F1NCM6_CHICK]                | 1.86  | 58.75       | 9.06 | 2        | 1  | 1.736 | 0.000   |
| E1BZT1    | Uncharacterized protein , GN=KIAA2026 PE=2 SV=2 - [E1BZT1_CHICK]             | 0.9   | 228.76      | 9.06 | 1        | 1  | 1.691 | 0.000   |
| E9LUH6    | MHC class I antigen (Fragment) , GN=BF2 PE=2 SV=1 - [E9LUH6_CHICK]           | 12.57 | 37.14       | 6.55 | 50       | 1  | 1.655 | 0.000   |
| F1NV53    | Uncharacterized protein , GN=FBXO11 PE=4 SV=2 - [F1NV53_CHICK]               | 1.62  | 96.21       | 6.64 | 1        | 1  | 1.652 | 0.000   |
| F1NF36    | Uncharacterized protein (Fragment), GN=FBXL15 PE=4 SV=1 - [F1NF36_CHICK]     | 2.7   | 33.09       | 7.69 | 1        | 1  | 1.627 | 0.000   |
| E1BTK2    | Uncharacterized protein , PE=4 SV=2 - [E1BTK2_CHICK]                         | 0.71  | 193.60      | 6.92 | 1        | 1  | 1.552 | 0.000   |
| F1NA86    | Uncharacterized protein , GN=SQSTM1 PE=4 SV=2 - [F1NA86_CHICK]               | 2.21  | 49.68       | 4.96 | 1        | 1  | 1.551 | 0.000   |
| B4X9P5    | Microsomal glutathione S-transferase 1 , GN=MGST1 PE=2 SV=1 - [B4X9P5_CHICK] | 30.97 | 17.23       | 9.66 | 1        | 1  | 1.544 | 0.000   |
| F1NZH9    | Uncharacterized protein , GN=FTSJ2 PE=3 SV=2 - [F1NZH9_CHICK]                | 9.02  | 27.41       | 9.58 | 1        | 1  | 1.535 | 0.000   |
| F1NPH4    | Uncharacterized protein , GN=VPS26B PE=4 SV=2 - [F1NPH4_CHICK]               | 3.87  | 39.25       | 7.43 | 1        | 1  | 1.529 | 0.000   |

|        |                                                                                  |       |        |       |   |   |       |       |
|--------|----------------------------------------------------------------------------------|-------|--------|-------|---|---|-------|-------|
| E1BXN6 | Uncharacterized protein , GN=MAP3K4 PE=4 SV=1 - [E1BXN6_CHICK]                   | 0.89  | 177.17 | 6.58  | 1 | 1 | 1.524 | 0.000 |
| E1C6J2 | Uncharacterized protein (Fragment) , GN=ARHGEF19 PE=4 SV=2 - [E1C6J2_CHICK]      | 1.25  | 65.47  | 8.62  | 1 | 1 | 1.510 | 0.000 |
| E1BQ92 | Uncharacterized protein , GN=LOC421856 PE=4 SV=2 - [E1BQ92_CHICK]                | 4.6   | 27.54  | 8.65  | 1 | 1 | 1.493 | 0.000 |
| Q90765 | CASP protein (Fragment) , GN=CASP PE=2 SV=1 - [Q90765_CHICK]                     | 3.11  | 77.27  | 5.58  | 2 | 2 | 1.485 | 0.000 |
| R4GG24 | Uncharacterized protein , GN=LOC425137 PE=4 SV=1 - [R4GG24_CHICK]                | 60.44 | 35.79  | 7.56  | 1 | 1 | 1.471 | 0.000 |
| R4GLT0 | Uncharacterized protein , PE=4 SV=1 - [R4GLT0_CHICK]                             | 3.56  | 37.56  | 7.61  | 2 | 1 | 1.452 | 0.000 |
| E1BV94 | Uncharacterized protein , GN=WTAP PE=4 SV=2 - [E1BV94_CHICK]                     | 6.53  | 44.53  | 5.24  | 1 | 2 | 1.447 | 0.000 |
| R4GKX1 | Uncharacterized protein , GN=LOC772271 PE=4 SV=1 - [R4GKX1_CHICK]                | 57.28 | 35.79  | 7.11  | 1 | 1 | 1.446 | 0.000 |
| E1C1K5 | Uncharacterized protein , GN=VANGL1 PE=4 SV=2 - [E1C1K5_CHICK]                   | 2.49  | 59.38  | 8.41  | 2 | 1 | 1.415 | 0.000 |
| R4GGD2 | Uncharacterized protein , GN=TMEM38B PE=4 SV=1 - [R4GGD2_CHICK]                  | 8.01  | 31.73  | 9.06  | 1 | 2 | 1.414 | 0.000 |
| F1NYI8 | Lon protease homolog 2, peroxisomal, GN=LONP2 PE=3 SV=2 - [F1NYI8_CHICK]         | 3.87  | 94.62  | 6.90  | 1 | 3 | 1.399 | 0.000 |
| F1NJV4 | Protein-L-isoaspartate O-methyltransferase , GN=PCMT1 PE=2 SV=1 - [F1NJV4_CHICK] | 8.63  | 21.24  | 5.78  | 2 | 1 | 1.399 | 0.000 |
| F1NB05 | Uncharacterized protein , GN=PEX14 PE=4 SV=2 - [F1NB05_CHICK]                    | 4.76  | 41.62  | 4.97  | 1 | 1 | 1.396 | 0.000 |
| E1C2K6 | Uncharacterized protein , PE=4 SV=2 - [E1C2K6_CHICK]                             | 0.83  | 172.65 | 5.15  | 1 | 1 | 1.390 | 0.000 |
| F1NSW5 | Uncharacterized protein , GN=C2H18orf8 PE=4 SV=2 - [F1NSW5_CHICK]                | 3.19  | 77.22  | 7.53  | 1 | 2 | 1.389 | 0.000 |
| Q5ZMC9 | Nuclear distribution protein nudE homolog 1 , GN=NDE1 PE=2 SV=1 - [NDE1_CHICK]   | 3.51  | 39.54  | 5.11  | 1 | 1 | 1.386 | 0.000 |
| F1N9R3 | Uncharacterized protein , GN=RILP PE=4 SV=2 - [F1N9R3_CHICK]                     | 3.75  | 45.14  | 5.12  | 1 | 1 | 1.370 | 0.000 |
| R4GJG8 | Uncharacterized protein (Fragment) , PE=4 SV=1 - [R4GJG8_CHICK]                  | 1.68  | 38.34  | 10.07 | 1 | 1 | 1.366 | 0.000 |
| F1P0J2 | Uncharacterized protein , PE=4 SV=2 - [F1P0J2_CHICK]                             | 0.44  | 177.96 | 6.27  | 1 | 1 | 1.362 | 0.000 |
| P20678 | Cytochrome P450 2H2 , GN=CYP2H2 PE=1 SV=1 - [CP2H2_CHICK]                        | 45.62 | 56.45  | 7.21  | 2 | 1 | 1.359 | 0.000 |
| E1C5Y0 | Uncharacterized protein , GN=MPHOSPH6 PE=4 SV=1 - [E1C5Y0_CHICK]                 | 4.27  | 19.51  | 5.60  | 1 | 1 | 1.358 | 0.000 |
| E1C9B9 | Uncharacterized protein , GN=TTC39C PE=4 SV=1 - [E1C9B9_CHICK]                   | 1.56  | 65.04  | 6.83  | 1 | 1 | 1.355 | 0.000 |
| F1NL83 | Uncharacterized protein , GN=LOC771947 PE=4 SV=2 - [F1NL83_CHICK]                | 15.19 | 8.87   | 10.36 | 1 | 1 | 1.355 | 0.000 |
| F1ND47 | Uncharacterized protein (Fragment) , GN=LOC770718 PE=4 SV=2 - [F1ND47_CHICK]     | 2.12  | 59.01  | 8.09  | 1 | 1 | 1.354 | 0.000 |
| P20135 | Glutathione S-transferase theta-1 , GN=GSTT1 PE=1 SV=3 - [GSTT1_CHICK]           | 18.77 | 29.80  | 7.11  | 1 | 3 | 1.337 | 0.000 |
| F1NJL0 | Uncharacterized protein , GN=ATXN2 PE=4 SV=2 - [F1NJL0_CHICK]                    | 3.66  | 118.20 | 9.32  | 1 | 3 | 1.334 | 0.000 |

|        |                                                                                    |       |        |      |   |    |       |       |
|--------|------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| F1P2M5 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [F1P2M5_CHICK]                    | 1.78  | 50.02  | 8.88 | 1 | 1  | 1.323 | 0.001 |
| F1NWR5 | Uncharacterized protein , GN=LRCH1 PE=2 SV=2 - [F1NWR5_CHICK]                      | 2.15  | 82.60  | 5.19 | 1 | 1  | 1.318 | 0.001 |
| Q5ZMN5 | Uncharacterized protein , GN=RCJMB04_1i20 PE=2 SV=1 - [Q5ZMN5_CHICK]               | 6.19  | 45.14  | 5.97 | 2 | 2  | 1.316 | 0.001 |
| F1P4C6 | Uncharacterized protein , GN=BPHL PE=4 SV=2 - [F1P4C6_CHICK]                       | 3.86  | 31.87  | 8.51 | 1 | 1  | 1.316 | 0.001 |
| F1NT11 | Uncharacterized protein (Fragment) , GN=Gga.17875 PE=2 SV=2 - [F1NT11_CHICK]       | 0.88  | 148.57 | 8.13 | 1 | 1  | 1.316 | 0.001 |
| H9L006 | Uncharacterized protein , GN=CPSF7 PE=4 SV=2 - [H9L006_CHICK]                      | 1.73  | 51.18  | 7.50 | 1 | 1  | 1.309 | 0.001 |
| F1N8A1 | Uncharacterized protein , PE=3 SV=2 - [F1N8A1_CHICK]                               | 2.5   | 70.28  | 8.81 | 1 | 1  | 1.309 | 0.001 |
| E1BUB6 | Glutathione S-transferase theta-1 (Fragment) , GN=GSTT1 PE=3 SV=2 - [E1BUB6_CHICK] | 39.62 | 29.88  | 8.35 | 1 | 9  | 1.309 | 0.001 |
| E1C573 | Uncharacterized protein , GN=LCMT2 PE=4 SV=1 - [E1C573_CHICK]                      | 2.05  | 76.41  | 6.89 | 1 | 1  | 1.309 | 0.001 |
| F1NV71 | Uncharacterized protein , GN=NOC2L PE=4 SV=1 - [F1NV71_CHICK]                      | 1.83  | 87.54  | 5.40 | 4 | 1  | 1.308 | 0.001 |
| F1NZS8 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [F1NZS8_CHICK]                    | 2.59  | 50.05  | 5.17 | 1 | 1  | 1.304 | 0.001 |
| F1NP19 | Uncharacterized protein (Fragment) , GN=PRSS2 PE=3 SV=2 - [F1NP19_CHICK]           | 8.89  | 19.37  | 4.50 | 3 | 1  | 1.301 | 0.001 |
| R4GM00 | Uncharacterized protein (Fragment) , PE=4 SV=1 - [R4GM00_CHICK]                    | 1.44  | 62.12  | 8.32 | 2 | 1  | 1.299 | 0.001 |
| F1NEK8 | GTP cyclohydrolase 1 , GN=GCH1 PE=3 SV=1 - [F1NEK8_CHICK]                          | 4.66  | 26.13  | 7.46 | 1 | 1  | 1.297 | 0.001 |
| F1NEJ8 | Transmembrane protein 70, mitochondrial , GN=TMEM70 PE=4 SV=1 - [F1NEJ8_CHICK]     | 6.91  | 27.42  | 9.31 | 2 | 1  | 1.297 | 0.001 |
| Q8QFT4 | Cytochrome P-450 , GN=CYP2C45 PE=2 SV=1 - [Q8QFT4_CHICK]                           | 28.95 | 55.70  | 8.48 | 3 | 10 | 1.296 | 0.001 |
| E1C0L2 | Uncharacterized protein , GN=HAAO PE=3 SV=2 - [E1C0L2_CHICK]                       | 3.5   | 33.14  | 6.18 | 1 | 1  | 1.294 | 0.001 |
| R4GLM0 | Uncharacterized protein , PE=4 SV=1 - [R4GLM0_CHICK]                               | 3.23  | 33.75  | 6.55 | 1 | 1  | 1.286 | 0.002 |
| Q5ZMF8 | Uncharacterized protein , GN=RCJMB04_2c19 PE=2 SV=1 - [Q5ZMF8_CHICK]               | 2     | 51.31  | 8.56 | 2 | 1  | 1.285 | 0.002 |
| E1BSN1 | Uncharacterized protein , GN=CMIP PE=4 SV=1 - [E1BSN1_CHICK]                       | 1.38  | 81.71  | 6.81 | 1 | 1  | 1.281 | 0.002 |
| F1NL40 | Uncharacterized protein (Fragment) , GN=WDR4 PE=4 SV=1 - [F1NL40_CHICK]            | 1.47  | 46.11  | 5.95 | 1 | 1  | 1.280 | 0.002 |
| F1P0Z7 | ADP-ribosylation factor-like protein 8A , GN=ARL8A PE=3 SV=2 - [F1P0Z7_CHICK]      | 7.53  | 21.50  | 8.43 | 1 | 1  | 1.277 | 0.002 |
| H9L3J2 | U4/U6 small nuclear ribonucleoprotein Prp3 , GN=PRPF3 PE=4 SV=1 - [H9L3J2_CHICK]   | 2.78  | 77.34  | 9.54 | 2 | 1  | 1.275 | 0.003 |
| F1NFS3 | Putative oxidoreductase GLYR1 (Fragment) , GN=GLYR1 PE=2 SV=2 - [F1NFS3_CHICK]     | 7.97  | 60.44  | 9.25 | 2 | 3  | 1.273 | 0.003 |
| F1P0V0 | Uncharacterized protein (Fragment) , GN=CCNYL1 PE=3 SV=2 - [F1P0V0_CHICK]          | 4.05  | 34.08  | 6.74 | 1 | 1  | 1.270 | 0.003 |
| E1C2S9 | Uncharacterized protein , GN=R3HDM1 PE=2 SV=1 - [E1C2S9_CHICK]                     | 0.64  | 119.94 | 8.43 | 1 | 1  | 1.269 | 0.003 |



|        |                                                                                                       |       |        |      |   |    |       |       |
|--------|-------------------------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| F1NJ82 | Uncharacterized protein , GN=TACR3 PE=3 SV=2 - [F1NJ82_CHICK]                                         | 2.51  | 49.28  | 9.47 | 1 | 1  | 1.266 | 0.004 |
| Q31406 | B-G protein , GN=B-G PE=4 SV=1 - [Q31406_CHICK]                                                       | 5.38  | 41.90  | 5.97 | 1 | 2  | 1.263 | 0.004 |
| F1NTF9 | Uncharacterized protein , PE=2 SV=2 - [F1NTF9_CHICK]                                                  | 1.52  | 111.01 | 5.38 | 1 | 1  | 1.262 | 0.004 |
| F1P1W1 | Uncharacterized protein , PE=4 SV=2 - [F1P1W1_CHICK]                                                  | 1.93  | 111.46 | 5.99 | 1 | 1  | 1.262 | 0.004 |
| Q04929 | Adapter molecule crk , GN=CRK PE=1 SV=1 - [CRK_CHICK]                                                 | 3.61  | 33.78  | 5.57 | 1 | 1  | 1.261 | 0.004 |
| H9KZA3 | Uncharacterized protein , GN=Gga.10681 PE=4 SV=2 - [H9KZA3_CHICK]                                     | 0.37  | 590.83 | 6.30 | 1 | 1  | 1.259 | 0.004 |
| F1P0U2 | Uncharacterized protein , GN=PIK3R6 PE=4 SV=2 - [F1P0U2_CHICK]                                        | 1.44  | 84.98  | 7.31 | 1 | 1  | 1.254 | 0.005 |
| F1P369 | Uncharacterized protein , PE=4 SV=2 - [F1P369_CHICK]                                                  | 0.64  | 207.43 | 5.62 | 1 | 1  | 1.251 | 0.006 |
| F1NVD4 | Adenylosuccinate synthetase (Fragment) , GN=ADSSL1 PE=3 SV=2 - [F1NVD4_CHICK]                         | 2.49  | 48.80  | 7.96 | 1 | 1  | 1.250 | 0.006 |
| F1NT95 | Uncharacterized protein , GN=CYP2J2 PE=2 SV=2 - [F1NT95_CHICK]                                        | 30.35 | 56.64  | 8.92 | 1 | 5  | 1.249 | 0.006 |
| E1BU62 | Uncharacterized protein , GN=DOPEY2 PE=4 SV=2 - [E1BU62_CHICK]                                        | 0.92  | 257.51 | 6.02 | 1 | 2  | 1.247 | 0.006 |
| Q90W83 | Aldo-keto reductase , GN=akr PE=2 SV=1 - [Q90W83_CHICK]                                               | 9.78  | 36.45  | 7.75 | 1 | 1  | 1.247 | 0.006 |
| E1C8L2 | Uncharacterized protein (Fragment) , GN=CDK7 PE=4 SV=2 - [E1C8L2_CHICK]                               | 2.27  | 39.61  | 8.68 | 2 | 1  | 1.246 | 0.006 |
| F1NSH8 | Adenylosuccinate synthetase , GN=AHCYL2 PE=3 SV=2 - [F1NSH8_CHICK]                                    | 23.08 | 56.66  | 7.99 | 2 | 3  | 1.246 | 0.007 |
| F1N832 | Uncharacterized protein (Fragment) , GN=EMG1 PE=4 SV=2 - [F1N832_CHICK]                               | 4.64  | 26.18  | 8.75 | 1 | 1  | 1.245 | 0.007 |
| E1C8S6 | Uncharacterized protein , GN=770308 PE=4 SV=2 - [E1C8S6_CHICK]                                        | 4.13  | 27.65  | 6.87 | 1 | 1  | 1.244 | 0.007 |
| F1NJC7 | Retinal dehydrogenase 1 , GN=ALDH1A1 PE=2 SV=2 - [F1NJC7_CHICK]                                       | 66.4  | 55.80  | 7.56 | 4 | 31 | 1.244 | 0.007 |
| F1NVV4 | Uncharacterized protein , GN=SLC2A5 PE=3 SV=2 - [F1NVV4_CHICK]                                        | 5.01  | 57.20  | 5.73 | 1 | 3  | 1.241 | 0.007 |
| D5M8S6 | Mitochondrial complex I subunit NDUFV3 transcript variant 1 , GN=LOC418541 PE=4 SV=1 - [D5M8S6_CHICK] | 18.37 | 10.73  | 9.88 | 1 | 1  | 1.240 | 0.008 |
| H9L0Z3 | Uncharacterized protein , PE=4 SV=2 - [H9L0Z3_CHICK]                                                  | 1.31  | 77.12  | 9.47 | 1 | 1  | 1.240 | 0.008 |
| F1NXV4 | Uncharacterized protein , GN=SRPR PE=4 SV=1 - [F1NXV4_CHICK]                                          | 8.39  | 71.15  | 8.98 | 2 | 5  | 1.238 | 0.008 |
| E1C8N2 | Uncharacterized protein , GN=SLC2A9 PE=3 SV=1 - [E1C8N2_CHICK]                                        | 5.67  | 58.17  | 7.83 | 2 | 3  | 1.238 | 0.008 |
| Q5F3I7 | Uncharacterized protein , GN=TAF5 PE=2 SV=1 - [Q5F3I7_CHICK]                                          | 0.89  | 85.49  | 5.71 | 1 | 1  | 1.237 | 0.009 |
| F1NNN7 | Uncharacterized protein , GN=TRADD PE=4 SV=2 - [F1NNN7_CHICK]                                         | 2.78  | 48.12  | 8.90 | 1 | 1  | 1.236 | 0.009 |
| F1NIJ4 | Uncharacterized protein (Fragment) , GN=SEL1L3 PE=4 SV=2 - [F1NIJ4_CHICK]                             | 1.1   | 125.20 | 6.18 | 1 | 1  | 1.233 | 0.009 |

|        |                                                                                                       |       |        |       |   |   |       |       |
|--------|-------------------------------------------------------------------------------------------------------|-------|--------|-------|---|---|-------|-------|
| E1BYA9 | Uncharacterized protein , GN=ILKAP PE=3 SV=1 - [E1BYA9_CHICK]                                         | 3.06  | 42.89  | 6.47  | 1 | 1 | 1.233 | 0.010 |
| F1NEN7 | Uncharacterized protein (Fragment) , GN=COQ4 PE=3 SV=2 - [F1NEN7_CHICK]                               | 4.73  | 30.74  | 7.77  | 1 | 1 | 1.233 | 0.010 |
| P67883 | 60S ribosomal protein L30 , GN=RPL30 PE=3 SV=2 - [RL30_CHICK]                                         | 45.22 | 12.81  | 9.63  | 2 | 5 | 1.232 | 0.010 |
| F1NFI4 | Uncharacterized protein (Fragment) , GN=IL17F PE=4 SV=1 - [F1NFI4_CHICK]                              | 10.63 | 18.04  | 8.50  | 2 | 1 | 1.232 | 0.010 |
| F1NQ35 | Uncharacterized protein (Fragment) , GN=RPL35A PE=4 SV=2 - [F1NQ35_CHICK]                             | 23.94 | 15.73  | 11.63 | 1 | 4 | 1.231 | 0.010 |
| Q5ZM93 | Uncharacterized protein , GN=RCJMB04_2n3 PE=4 SV=1 - [Q5ZM93_CHICK]                                   | 13.33 | 9.67   | 4.64  | 1 | 1 | 1.231 | 0.010 |
| F1NAP9 | RNA-binding protein with multiple-splicing (Fragment) , GN=RBPM5 PE=4 SV=1 - [F1NAP9_CHICK]           | 7.14  | 21.52  | 9.50  | 1 | 1 | 1.230 | 0.010 |
| F1P470 | D-dopachrome decarboxylase , GN=DDT PE=4 SV=1 - [F1P470_CHICK]                                        | 44.92 | 12.80  | 7.14  | 2 | 5 | 1.228 | 0.011 |
| Q9DEF5 | 2',5'-oligo adenylate synthetase A , GN=OAS*A PE=2 SV=1 - [Q9DEF5_CHICK]                              | 33.66 | 57.50  | 8.47  | 6 | 1 | 1.228 | 0.011 |
| E1C3R4 | Uncharacterized protein , GN=LANCL2 PE=4 SV=1 - [E1C3R4_CHICK]                                        | 2.42  | 51.58  | 7.09  | 1 | 1 | 1.226 | 0.012 |
| F1NX74 | Uncharacterized protein , GN=KIAA0930 PE=4 SV=2 - [F1NX74_CHICK]                                      | 2.12  | 48.27  | 7.28  | 1 | 1 | 1.226 | 0.012 |
| E1BY94 | Uncharacterized protein , GN=DEPDC6 PE=4 SV=2 - [E1BY94_CHICK]                                        | 5.54  | 45.46  | 8.13  | 1 | 2 | 1.225 | 0.012 |
| E1C9F6 | Neurofibromin , GN=NF1 PE=2 SV=1 - [E1C9F6_CHICK]                                                     | 0.32  | 319.58 | 7.50  | 1 | 1 | 1.224 | 0.012 |
| Q5ZL13 | Nucleoside diphosphate-linked moiety X motif 19, mitochondrial , GN=NUDT19 PE=2 SV=1 - [NUDT19_CHICK] | 4.5   | 42.10  | 6.86  | 1 | 1 | 1.223 | 0.013 |
| Q5F4A2 | Uncharacterized protein , GN=PIK3CB PE=2 SV=1 - [Q5F4A2_CHICK]                                        | 1.5   | 121.94 | 6.95  | 2 | 1 | 1.222 | 0.013 |
| F1P1G7 | Uncharacterized protein , GN=HTATSF1 PE=4 SV=1 - [F1P1G7_CHICK]                                       | 4.44  | 51.05  | 5.14  | 2 | 2 | 1.219 | 0.014 |
| E1BUJ1 | Uncharacterized protein , GN=RBM17 PE=4 SV=2 - [E1BUJ1_CHICK]                                         | 3.49  | 44.77  | 5.96  | 1 | 1 | 1.218 | 0.014 |
| F1NG69 | Uncharacterized protein , GN=HSD17B7 PE=4 SV=2 - [F1NG69_CHICK]                                       | 6.93  | 37.33  | 7.71  | 1 | 2 | 1.218 | 0.015 |
| F1NLC8 | Uncharacterized protein , GN=NRD1 PE=3 SV=2 - [F1NLC8_CHICK]                                          | 2.98  | 126.83 | 5.07  | 2 | 3 | 1.218 | 0.015 |
| F1NW76 | Uncharacterized protein (Fragment) , GN=IQCE PE=4 SV=2 - [F1NW76_CHICK]                               | 1.84  | 79.84  | 8.79  | 4 | 1 | 1.218 | 0.015 |
| F1NLF0 | Uncharacterized protein , GN=EPS15 PE=2 SV=1 - [F1NLF0_CHICK]                                         | 1.2   | 100.61 | 4.68  | 2 | 1 | 1.217 | 0.015 |
| E1C2V9 | Uncharacterized protein , GN=ARFGAP2 PE=4 SV=2 - [E1C2V9_CHICK]                                       | 2.1   | 57.20  | 7.46  | 1 | 1 | 1.216 | 0.015 |
| F1NH09 | Uncharacterized protein , PE=2 SV=2 - [F1NH09_CHICK]                                                  | 0.87  | 117.78 | 7.06  | 1 | 1 | 1.215 | 0.016 |
| F1NLM0 | Uncharacterized protein (Fragment) , GN=NEIL1 PE=4 SV=2 - [F1NLM0_CHICK]                              | 7.12  | 37.46  | 9.89  | 2 | 1 | 1.214 | 0.017 |
| Q9IAI1 | BHLH/PAS transcription factor Clock , GN=CLOCK PE=2 SV=1 - [Q9IAI1_CHICK]                             | 1.41  | 96.01  | 7.12  | 4 | 1 | 1.213 | 0.017 |

|        |                                                                                               |       |        |      |   |    |       |       |
|--------|-----------------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| E1BWU0 | Uncharacterized protein , GN=PEX11A PE=4 SV=2 - [E1BWU0_CHICK]                                | 4.9   | 28.02  | 9.09 | 1 | 1  | 1.212 | 0.017 |
| Q90957 | Protein-tyrosine kinase (Fragment) , PE=2 SV=1 - [Q90957_CHICK]                               | 11.94 | 7.85   | 7.18 | 6 | 1  | 1.211 | 0.000 |
| Q08392 | Glutathione S-transferase , PE=2 SV=1 - [GSTA1_CHICK]                                         | 66.06 | 25.28  | 8.88 | 3 | 9  | 1.210 | 0.018 |
| F1P2Y8 | Uncharacterized protein (Fragment) , GN=WDR12 PE=4 SV=2 - [F1P2Y8_CHICK]                      | 3.55  | 47.34  | 5.68 | 1 | 1  | 1.209 | 0.019 |
| F1NZA0 | Uncharacterized protein , GN=LOC100858366 PE=2 SV=2 - [F1NZA0_CHICK]                          | 0.84  | 135.12 | 7.65 | 1 | 1  | 1.208 | 0.019 |
| E1BR29 | Uncharacterized protein , GN=TIMM23 PE=4 SV=1 - [E1BR29_CHICK]                                | 9.9   | 20.80  | 9.14 | 1 | 1  | 1.208 | 0.019 |
| F1NNR3 | Annexin , GN=ANXA13 PE=3 SV=2 - [F1NNR3_CHICK]                                                | 42.9  | 35.32  | 6.47 | 2 | 16 | 1.207 | 0.020 |
| F1P5G2 | Uncharacterized protein , GN=LOC423919 PE=4 SV=2 - [F1P5G2_CHICK]                             | 1.4   | 79.96  | 5.88 | 1 | 1  | 1.207 | 0.020 |
| F1P278 | Uncharacterized protein (Fragment) , GN=RAB19 PE=3 SV=2 - [F1P278_CHICK]                      | 5.5   | 24.37  | 6.39 | 1 | 1  | 1.207 | 0.020 |
| E1C345 | Uncharacterized protein , GN=TM4SF4 PE=4 SV=1 - [E1C345_CHICK]                                | 10.45 | 21.20  | 6.24 | 1 | 2  | 1.206 | 0.020 |
| F1NK47 | Uncharacterized protein , GN=Gga.49561 PE=4 SV=2 - [F1NK47_CHICK]                             | 0.51  | 176.86 | 6.65 | 1 | 1  | 1.206 | 0.020 |
| F1NLD4 | Inhibitor of nuclear factor kappa-B kinase subunit alpha , GN=CHUK PE=4 SV=1 - [F1NLD4_CHICK] | 0.92  | 86.06  | 6.32 | 2 | 1  | 1.205 | 0.010 |
| R4GLN0 | Uncharacterized protein , GN=CCDC124 PE=4 SV=1 - [R4GLN0_CHICK]                               | 5.88  | 25.94  | 9.45 | 1 | 1  | 1.202 | 0.022 |
| Q98953 | Protein S100-A6 , GN=S100A6 PE=3 SV=1 - [S10A6_CHICK]                                         | 33.7  | 10.27  | 5.01 | 1 | 3  | 1.202 | 0.023 |
| P00565 | Creatine kinase M-type , GN=CKM PE=2 SV=1 - [KCRM_CHICK]                                      | 8.4   | 43.30  | 6.99 | 2 | 1  | 1.202 | 0.023 |
| F1NIU6 | Uncharacterized protein , GN=M6PR PE=4 SV=2 - [F1NIU6_CHICK]                                  | 5.5   | 32.33  | 5.39 | 1 | 1  | 1.200 | 0.024 |
| H9L0J1 | Uncharacterized protein , GN=RETSAT PE=4 SV=2 - [H9L0J1_CHICK]                                | 30.18 | 67.85  | 9.22 | 1 | 19 | 0.832 | 0.004 |
| F1NG21 | Uncharacterized protein , GN=RNMTL1 PE=4 SV=2 - [F1NG21_CHICK]                                | 4.18  | 43.53  | 9.63 | 1 | 1  | 0.832 | 0.004 |
| F1NMK5 | Uncharacterized protein , GN=KIAA0100 PE=2 SV=2 - [F1NMK5_CHICK]                              | 0.53  | 254.19 | 7.34 | 1 | 1  | 0.830 | 0.004 |
| Q90WR6 | Sulfotransferase 1C , GN=SULT1C PE=2 SV=1 - [Q90WR6_CHICK]                                    | 80.46 | 36.23  | 7.17 | 1 | 19 | 0.827 | 0.003 |
| F1NRH6 | Uncharacterized protein , GN=ROCK1 PE=4 SV=2 - [F1NRH6_CHICK]                                 | 1.69  | 158.57 | 5.88 | 2 | 2  | 0.826 | 0.003 |
| F1NFV7 | Uncharacterized protein , GN=LOC100858161 PE=4 SV=2 - [F1NFV7_CHICK]                          | 5.01  | 164.62 | 5.25 | 1 | 6  | 0.826 | 0.003 |
| E1C979 | Uncharacterized protein (Fragment) , GN=E2F6 PE=2 SV=2 - [E1C979_CHICK]                       | 2.63  | 30.25  | 5.19 | 1 | 1  | 0.823 | 0.002 |
| E1C7L3 | Uncharacterized protein , GN=SQRDL PE=4 SV=1 - [E1C7L3_CHICK]                                 | 40    | 49.94  | 9.23 | 2 | 18 | 0.822 | 0.002 |
| F1NW56 | Uncharacterized protein (Fragment) , GN=THAP4 PE=4 SV=2 - [F1NW56_CHICK]                      | 2.73  | 61.62  | 8.34 | 1 | 1  | 0.822 | 0.002 |
| E1BV20 | Uncharacterized protein , GN=PHF5A PE=4 SV=2 - [E1BV20_CHICK]                                 | 11.11 | 13.05  | 8.05 | 1 | 1  | 0.820 | 0.002 |

|        |                                                                                                   |       |        |      |    |    |       |       |
|--------|---------------------------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| F1NJ08 | Vimentin , GN=VIM PE=2 SV=1 - [F1NJ08_CHICK]                                                      | 18.91 | 53.18  | 5.21 | 5  | 6  | 0.818 | 0.002 |
| R4GJC0 | Uncharacterized protein , GN=CARHSP1 PE=4 SV=1 - [R4GJC0_CHICK]                                   | 10.53 | 16.47  | 8.21 | 1  | 1  | 0.817 | 0.002 |
| F1NZI1 | Uncharacterized protein , GN=XRCC5 PE=4 SV=2 - [F1NZI1_CHICK]                                     | 1.95  | 87.03  | 5.54 | 1  | 1  | 0.816 | 0.002 |
| E1C4F9 | Uncharacterized protein , GN=WWC2 PE=4 SV=2 - [E1C4F9_CHICK]                                      | 0.7   | 128.33 | 5.12 | 1  | 1  | 0.816 | 0.002 |
| F1NY74 | Uncharacterized protein , GN=C14H16orf62 PE=2 SV=2 - [F1NY74_CHICK]                               | 1.43  | 111.28 | 7.21 | 1  | 1  | 0.814 | 0.001 |
| F1NAW4 | Uncharacterized protein , GN=MAOB PE=4 SV=2 - [F1NAW4_CHICK]                                      | 41.07 | 58.54  | 8.35 | 2  | 18 | 0.811 | 0.001 |
| R4GHF1 | Uncharacterized protein (Fragment) , GN=Gga.30479 PE=4 SV=1 - [R4GHF1_CHICK]                      | 4.04  | 60.67  | 9.76 | 2  | 2  | 0.809 | 0.001 |
| Q5ZJA5 | Uncharacterized protein , GN=Gga.31975 PE=2 SV=1 - [Q5ZJA5_CHICK]                                 | 19.77 | 28.13  | 8.54 | 1  | 3  | 0.809 | 0.001 |
| F1NYZ2 | Dual-specificity mitogen-activated protein kinase kinase 2 , GN=MAP2K2 PE=4 SV=1 - [F1NYZ2_CHICK] | 9.55  | 44.02  | 6.86 | 2  | 1  | 0.806 | 0.001 |
| Q6F4E8 | MHC class I antigen , GN=B-F-S04 PE=2 SV=1 - [Q6F4E8_CHICK]                                       | 12.68 | 38.76  | 6.25 | 12 | 1  | 0.804 | 0.001 |
| F1P3B2 | Uncharacterized protein , GN=BRCA2 PE=4 SV=1 - [F1P3B2_CHICK]                                     | 0.21  | 377.48 | 6.40 | 3  | 1  | 0.804 | 0.001 |
| F1P3A5 | Proto-oncogene c-Rel , GN=REL PE=2 SV=2 - [F1P3A5_CHICK]                                          | 2.34  | 66.86  | 6.49 | 2  | 1  | 0.804 | 0.001 |
| F6VMK6 | Uncharacterized protein , GN=WDR92 PE=4 SV=1 - [F6VMK6_CHICK]                                     | 2.51  | 39.34  | 8.27 | 1  | 1  | 0.803 | 0.001 |
| H9KZJ3 | Uncharacterized protein , PE=4 SV=2 - [H9KZJ3_CHICK]                                              | 5.94  | 74.60  | 6.49 | 1  | 3  | 0.803 | 0.001 |
| F1NDX6 | Uncharacterized protein , GN=Gga.54843 PE=4 SV=2 - [F1NDX6_CHICK]                                 | 1.27  | 60.03  | 5.19 | 2  | 1  | 0.802 | 0.001 |
| E1C5N0 | Uncharacterized protein , GN=PPFIA1 PE=4 SV=2 - [E1C5N0_CHICK]                                    | 0.97  | 140.54 | 6.35 | 3  | 1  | 0.801 | 0.001 |
| B7U494 | Tapasin (Fragment) , PE=2 SV=1 - [B7U494_CHICK]                                                   | 14.33 | 34.72  | 9.11 | 12 | 1  | 0.800 | 0.001 |
| F1P1A9 | Uncharacterized protein , GN=Gga.19936 PE=4 SV=2 - [F1P1A9_CHICK]                                 | 0.74  | 117.68 | 6.18 | 2  | 1  | 0.800 | 0.001 |
| Q683N0 | Aquaporin 5 homologue (Fragment) , GN=AQP5 PE=2 SV=2 - [Q683N0_CHICK]                             | 6.5   | 26.39  | 8.18 | 2  | 1  | 0.799 | 0.001 |
| E1BTI7 | Uncharacterized protein , GN=TINAG PE=3 SV=1 - [E1BTI7_CHICK]                                     | 4.28  | 52.72  | 7.56 | 1  | 2  | 0.798 | 0.000 |
| F1NAN3 | Uncharacterized protein , GN=PDDC1 PE=4 SV=2 - [F1NAN3_CHICK]                                     | 5.94  | 23.57  | 6.96 | 1  | 1  | 0.798 | 0.000 |
| F1NV66 | Uncharacterized protein , GN=NSMCE4A PE=4 SV=2 - [F1NV66_CHICK]                                   | 2.53  | 44.63  | 4.91 | 1  | 1  | 0.797 | 0.000 |
| F1NCG7 | Uncharacterized protein , GN=SLC35D1 PE=4 SV=2 - [F1NCG7_CHICK]                                   | 5.07  | 38.82  | 9.29 | 1  | 2  | 0.796 | 0.000 |
| R4GKR8 | Uncharacterized protein , GN=BOD1L PE=4 SV=1 - [R4GKR8_CHICK]                                     | 0.5   | 329.29 | 4.96 | 1  | 1  | 0.796 | 0.000 |
| E1BRJ9 | Coronin , GN=CORO7 PE=2 SV=2 - [E1BRJ9_CHICK]                                                     | 1.95  | 100.02 | 5.76 | 2  | 1  | 0.792 | 0.000 |
| P02457 | Collagen alpha-1(I) chain , GN=COL1A1 PE=1 SV=3 - [CO1A1_CHICK]                                   | 1.31  | 137.67 | 5.62 | 1  | 1  | 0.784 | 0.000 |

|        |                                                                                                               |       |        |      |    |    |       |       |
|--------|---------------------------------------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| E1C7G8 | Dimethylaniline monooxygenase [N-oxide-forming] , GN=LOC100857724 PE=3 SV=2 - [E1C7G8_CHICK]                  | 19.28 | 60.43  | 8.73 | 2  | 9  | 0.783 | 0.000 |
| E1BU49 | Uncharacterized protein , GN=GPT2 PE=4 SV=2 - [E1BU49_CHICK]                                                  | 50.12 | 47.18  | 6.71 | 1  | 16 | 0.777 | 0.000 |
| R4GMB8 | Uncharacterized protein , GN=LOC100857922 PE=4 SV=1 - [R4GMB8_CHICK]                                          | 8.85  | 28.61  | 6.84 | 1  | 1  | 0.777 | 0.000 |
| F1NF53 | Uncharacterized protein , GN=AMY2A PE=3 SV=1 - [F1NF53_CHICK]                                                 | 6.25  | 57.46  | 6.18 | 4  | 3  | 0.773 | 0.000 |
| R4GGZ2 | Uncharacterized protein , GN=NDUFA4 PE=4 SV=1 - [R4GGZ2_CHICK]                                                | 12.2  | 9.49   | 9.54 | 1  | 1  | 0.773 | 0.000 |
| O93526 | Cytidine deaminase , GN=CDD PE=2 SV=1 - [O93526_CHICK]                                                        | 14.64 | 31.26  | 8.16 | 3  | 3  | 0.772 | 0.000 |
| F1NHU0 | Uncharacterized protein , GN=COG4 PE=4 SV=1 - [F1NHU0_CHICK]                                                  | 1.95  | 87.48  | 5.20 | 2  | 1  | 0.767 | 0.000 |
| E1C3U6 | Uncharacterized protein , GN=COPS2 PE=4 SV=2 - [E1C3U6_CHICK]                                                 | 12.19 | 51.49  | 5.60 | 1  | 1  | 0.766 | 0.000 |
| O98229 | MHC class I B-F heavy chain (Fragment) , GN=B-F PE=2 SV=1 - [O98229_CHICK]                                    | 18.1  | 26.53  | 5.67 | 39 | 1  | 0.761 | 0.000 |
| F1NAP1 | Uncharacterized protein , GN=EIF2B2 PE=3 SV=1 - [F1NAP1_CHICK]                                                | 3.99  | 38.99  | 6.28 | 2  | 1  | 0.760 | 0.000 |
| E1BVN7 | Uncharacterized protein , GN=PIGQ PE=4 SV=1 - [E1BVN7_CHICK]                                                  | 1.92  | 65.61  | 8.22 | 1  | 1  | 0.760 | 0.000 |
| D6NKG5 | Secreted phospholipase A2 group IIA , GN=PLA2G2E PE=2 SV=1 - [D6NKG5_CHICK]                                   | 6.38  | 15.42  | 8.82 | 1  | 1  | 0.756 | 0.000 |
| B4X9P4 | Microsomal glutathione S-transferase 1 , GN=MGST1 PE=2 SV=1 - [B4X9P4_CHICK]                                  | 30.97 | 17.25  | 9.66 | 2  | 1  | 0.753 | 0.000 |
| F1NLR3 | Uncharacterized protein , GN=TPRN PE=4 SV=2 - [F1NLR3_CHICK]                                                  | 3.44  | 47.19  | 5.35 | 1  | 1  | 0.753 | 0.000 |
| E1BRP4 | Uncharacterized protein , GN=FAM160B1 PE=4 SV=2 - [E1BRP4_CHICK]                                              | 2.32  | 88.13  | 5.30 | 1  | 1  | 0.752 | 0.000 |
| F1NCC7 | Uncharacterized protein , GN=AGMO PE=4 SV=2 - [F1NCC7_CHICK]                                                  | 6.27  | 57.95  | 9.16 | 1  | 3  | 0.751 | 0.000 |
| F1NB63 | Uncharacterized protein (Fragment) , GN=HEXDC PE=4 SV=2 - [F1NB63_CHICK]                                      | 2.29  | 55.61  | 6.65 | 1  | 1  | 0.750 | 0.000 |
| F1P191 | Poly(ADP-ribose) glycohydrolase ARH3 , GN=ADPRHL2 PE=4 SV=2 - [F1P191_CHICK]                                  | 4.36  | 39.89  | 5.41 | 2  | 1  | 0.749 | 0.000 |
| E1BW21 | Uncharacterized protein , GN=MYOF PE=2 SV=2 - [E1BW21_CHICK]                                                  | 0.34  | 234.03 | 5.81 | 1  | 1  | 0.748 | 0.000 |
| E1C6U4 | Uncharacterized protein , GN=Gga.27766 PE=4 SV=2 - [E1C6U4_CHICK]                                             | 0.89  | 243.11 | 6.68 | 1  | 1  | 0.748 | 0.000 |
| E1C2P3 | Heat shock 70 kDa protein 14 , GN=HSPA14 PE=3 SV=1 - [HSP7E_CHICK]                                            | 3.76  | 54.08  | 5.30 | 2  | 1  | 0.746 | 0.000 |
| R4GH05 | Uncharacterized protein , GN=LOC100857383 PE=4 SV=1 - [R4GH05_CHICK]                                          | 6.34  | 16.84  | 9.01 | 1  | 1  | 0.744 | 0.000 |
| P43347 | Translationally-controlled tumor protein homolog , GN=TPT1 PE=2 SV=1 - [TCTP_CHICK]                           | 28.49 | 19.52  | 5.00 | 2  | 5  | 0.740 | 0.000 |
| F1NPJ4 | Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial , GN=SDHA PE=4 SV=2 - [F1NPJ4_CHICK] | 48.72 | 72.92  | 7.18 | 1  | 1  | 0.738 | 0.000 |
| E1BVP5 | Uncharacterized protein , GN=ASPA PE=3 SV=2 - [E1BVP5_CHICK]                                                  | 7.25  | 39.11  | 6.39 | 1  | 2  | 0.736 | 0.000 |

|        |                                                                                |       |        |       |   |    |       |       |
|--------|--------------------------------------------------------------------------------|-------|--------|-------|---|----|-------|-------|
| R4GJN7 | Histone H2A , GN=LOC100857391 PE=3 SV=1 - [R4GJN7_CHICK]                       | 32.17 | 15.04  | 10.87 | 3 | 2  | 0.714 | 0.000 |
| Q8QG67 | Glutathione peroxidase , GN=GPx4 PE=2 SV=3 - [Q8QG67_CHICK]                    | 40    | 19.38  | 7.85  | 1 | 6  | 0.714 | 0.000 |
| Q90VU9 | Adenosine deaminase , PE=2 SV=1 - [Q90VU9_CHICK]                               | 2.39  | 54.49  | 8.94  | 4 | 1  | 0.704 | 0.000 |
| E1C2J7 | Uncharacterized protein , GN=INTS4 PE=4 SV=2 - [E1C2J7_CHICK]                  | 2.69  | 108.57 | 6.84  | 1 | 2  | 0.696 | 0.000 |
| Q90940 | Calcium-binding protein , GN=P22 PE=2 SV=1 - [Q90940_CHICK]                    | 4.33  | 22.07  | 9.04  | 1 | 1  | 0.689 | 0.000 |
| E1C040 | Uncharacterized protein , GN=HECTD1 PE=2 SV=2 - [E1C040_CHICK]                 | 0.51  | 284.78 | 5.26  | 1 | 1  | 0.677 | 0.000 |
| F1NRZ4 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [F1NRZ4_CHICK]                | 2.35  | 96.87  | 10.10 | 1 | 1  | 0.673 | 0.000 |
| E1C5V1 | Uncharacterized protein , PE=4 SV=2 - [E1C5V1_CHICK]                           | 4.85  | 24.76  | 6.76  | 1 | 1  | 0.672 | 0.000 |
| Q5ZI34 | Redox-regulatory protein FAM213A , GN=FAM213A PE=2 SV=2 - [F213A_CHICK]        | 4.02  | 24.93  | 8.82  | 2 | 1  | 0.665 | 0.000 |
| F1NJH2 | Uncharacterized protein , GN=TGM4 PE=3 SV=2 - [F1NJH2_CHICK]                   | 4.51  | 78.95  | 7.59  | 2 | 3  | 0.659 | 0.000 |
| R4GG22 | Uncharacterized protein , GN=VIMP PE=4 SV=1 - [R4GG22_CHICK]                   | 17.3  | 20.61  | 9.50  | 2 | 2  | 0.643 | 0.000 |
| E1C896 | Uncharacterized protein , GN=SELK PE=4 SV=1 - [E1C896_CHICK]                   | 15.22 | 10.15  | 11.14 | 1 | 1  | 0.639 | 0.000 |
| P08287 | Histone H1.11L , PE=1 SV=2 - [H111L_CHICK]                                     | 30.22 | 22.51  | 10.96 | 3 | 1  | 0.632 | 0.000 |
| F1P4X3 | Uncharacterized protein (Fragment) , GN=FUCA1 PE=4 SV=1 - [F1P4X3_CHICK]       | 2.38  | 52.43  | 6.37  | 1 | 1  | 0.623 | 0.000 |
| B0LY48 | Calbindin-D28k , PE=2 SV=1 - [B0LY48_CHICK]                                    | 54.96 | 30.16  | 4.83  | 4 | 15 | 0.617 | 0.000 |
| R4GMG9 | Uncharacterized protein , GN=Gga.49427 PE=4 SV=1 - [R4GMG9_CHICK]              | 12.2  | 22.63  | 4.88  | 1 | 1  | 0.592 | 0.000 |
| E1BQK9 | Uncharacterized protein , GN=CUL4B PE=3 SV=2 - [E1BQK9_CHICK]                  | 2.94  | 101.32 | 7.91  | 1 | 2  | 0.569 | 0.000 |
| F1NHZ7 | Uncharacterized protein (Fragment) , GN=SLC30A1 PE=4 SV=2 - [F1NHZ7_CHICK]     | 3.06  | 49.49  | 6.20  | 1 | 1  | 0.556 | 0.000 |
| P08286 | Histone H1.10 , PE=1 SV=3 - [H110_CHICK]                                       | 30.91 | 21.99  | 11.18 | 1 | 1  | 0.552 | 0.000 |
| A4PBT0 | Metallothionein , GN=MT1 PE=3 SV=1 - [A4PBT0_CHICK]                            | 20.63 | 6.27   | 8.06  | 1 | 1  | 0.514 | 0.000 |
| F1NV65 | Uncharacterized protein , GN=DMXL1 PE=2 SV=2 - [F1NV65_CHICK]                  | 0.36  | 336.42 | 6.43  | 1 | 1  | 0.501 | 0.000 |
| F1NYQ1 | Uncharacterized protein , GN=TRPC7 PE=4 SV=2 - [F1NYQ1_CHICK]                  | 0.65  | 88.16  | 6.96  | 1 | 1  | 0.487 | 0.000 |
| R4GH86 | Glutathione peroxidase (Fragment) , GN=LOC100857115 PE=3 SV=1 - [R4GH86_CHICK] | 59.74 | 17.91  | 6.92  | 2 | 6  | 0.478 | 0.000 |
| Q5ZK71 | DNA topoisomerase , GN=TOP3B PE=2 SV=1 - [Q5ZK71_CHICK]                        | 1.04  | 96.62  | 8.09  | 1 | 1  | 0.452 | 0.000 |
| E1BV98 | Uncharacterized protein , GN=PANK4 PE=4 SV=2 - [E1BV98_CHICK]                  | 1.77  | 88.24  | 6.62  | 1 | 1  | 0.360 | 0.000 |
| F1P3M3 | Uncharacterized protein , GN=IFT122 PE=4 SV=2 - [F1P3M3_CHICK]                 | 0.87  | 119.04 | 6.80  | 1 | 1  | 0.347 | 0.000 |

|        |                                                               |       |        |      |   |   |       |       |
|--------|---------------------------------------------------------------|-------|--------|------|---|---|-------|-------|
| E1BUT1 | Uncharacterized protein , GN=ARMC8 PE=4 SV=1 - [E1BUT1_CHICK] | 1.63  | 75.28  | 6.65 | 1 | 1 | 0.308 | 0.000 |
| E1C593 | Uncharacterized protein , GN=XPOT PE=4 SV=1 - [E1C593_CHICK]  | 1.46  | 109.76 | 5.26 | 1 | 1 | 0.288 | 0.000 |
| P68497 | Metallothionein , PE=1 SV=1 - [MT_CHICK]                      | 68.25 | 6.46   | 7.96 | 1 | 5 | 0.271 | 0.000 |

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Tab. S6. The list of differentially expressed proteins of in selenium deficiency and control groups at 21 day

| Accession | Description                                                                                   | Coverage | MW [kDa] | pI   | Proteins | UP | A2-B2 | p value |
|-----------|-----------------------------------------------------------------------------------------------|----------|----------|------|----------|----|-------|---------|
| B5BSS1    | Transporter associated with antigen processing 1 , GN=TAP1 PE=3 SV=1 - [B5BSS1_CHICK]         | 21.1     | 62.74    | 8.32 | 2        | 1  | 7.117 | 0.000   |
| F1NF36    | Uncharacterized protein (Fragment) , GN=FBXL15 PE=4 SV=1 - [F1NF36_CHICK]                     | 2.7      | 33.09    | 7.69 | 1        | 1  | 4.764 | 0.000   |
| Q9DEF5    | 2',5'-oligo adenylate synthetase A , GN=OAS*A PE=2 SV=1 - [Q9DEF5_CHICK]                      | 33.66    | 57.50    | 8.47 | 6        | 1  | 3.010 | 0.000   |
| E1C499    | Uncharacterized protein , GN=FRMD5 PE=4 SV=2 - [E1C499_CHICK]                                 | 1.58     | 64.60    | 8.60 | 1        | 1  | 2.760 | 0.000   |
| Q90765    | CASP protein (Fragment) , GN=CASP PE=2 SV=1 - [Q90765_CHICK]                                  | 3.11     | 77.27    | 5.58 | 2        | 2  | 2.589 | 0.000   |
| E1C607    | Uncharacterized protein , GN=TANC1 PE=4 SV=2 - [E1C607_CHICK]                                 | 0.55     | 200.39   | 8.47 | 1        | 1  | 2.444 | 0.000   |
| Q5F3I7    | Uncharacterized protein , GN=TAF5 PE=2 SV=1 - [Q5F3I7_CHICK]                                  | 0.89     | 85.49    | 5.71 | 1        | 1  | 2.435 | 0.000   |
| E1C796    | Uncharacterized protein , GN=TRRAP PE=2 SV=2 - [E1C796_CHICK]                                 | 0.6      | 433.30   | 8.22 | 1        | 2  | 1.879 | 0.000   |
| E1C345    | Uncharacterized protein , GN=TM4SF4 PE=4 SV=1 - [E1C345_CHICK]                                | 10.45    | 21.20    | 6.24 | 1        | 2  | 1.823 | 0.000   |
| F1NL40    | Uncharacterized protein (Fragment) , GN=WDR4 PE=4 SV=1 - [F1NL40_CHICK]                       | 1.47     | 46.11    | 5.95 | 1        | 1  | 1.780 | 0.000   |
| E1BQ92    | Uncharacterized protein , GN=LOC421856 PE=4 SV=2 - [E1BQ92_CHICK]                             | 4.6      | 27.54    | 8.65 | 1        | 1  | 1.758 | 0.000   |
| E1C2F4    | Uncharacterized protein , GN=LOC422305 PE=4 SV=1 - [E1C2F4_CHICK]                             | 56.25    | 24.22    | 7.93 | 1        | 7  | 1.752 | 0.000   |
| E1BQW2    | Uncharacterized protein , GN=RMND1 PE=4 SV=2 - [E1BQW2_CHICK]                                 | 1.75     | 52.75    | 8.50 | 1        | 1  | 1.750 | 0.000   |
| F1NHU0    | Uncharacterized protein , GN=COG4 PE=4 SV=1 - [F1NHU0_CHICK]                                  | 1.95     | 87.48    | 5.20 | 2        | 1  | 1.731 | 0.000   |
| E1BUB6    | Glutathione S-transferase theta-1 (Fragment) , GN=GSTT1 PE=3 SV=2 - [E1BUB6_CHICK]            | 39.62    | 29.88    | 8.35 | 1        | 9  | 1.728 | 0.000   |
| Q9YHT1    | Succinate dehydrogenase flavoprotein subunit, mitochondrial, GN=SDHA PE=1 SV=2 - [DHSA_CHICK] | 49.62    | 72.88    | 7.08 | 1        | 1  | 1.714 | 0.000   |
| F1P0G9    | Uncharacterized protein (Fragment) , PE=4 SV=1 - [F1P0G9_CHICK]                               | 5.5      | 12.80    | 9.96 | 2        | 1  | 1.701 | 0.000   |
| R4GGD2    | Uncharacterized protein , GN=TMEM38B PE=4 SV=1 - [R4GGD2_CHICK]                               | 8.01     | 31.73    | 9.06 | 1        | 2  | 1.658 | 0.000   |
| F1P2M5    | Uncharacterized protein (Fragment) , PE=4 SV=2 - [F1P2M5_CHICK]                               | 1.78     | 50.02    | 8.88 | 1        | 1  | 1.640 | 0.000   |
| R4GLM0    | Uncharacterized protein , PE=4 SV=1 - [R4GLM0_CHICK]                                          | 3.23     | 33.75    | 6.55 | 1        | 1  | 1.633 | 0.000   |
| E1BQJ3    | Uncharacterized protein , GN=LOC428379 PE=4 SV=2 - [E1BQJ3_CHICK]                             | 1.16     | 77.88    | 6.62 | 1        | 1  | 1.606 | 0.000   |
| F1NL83    | Uncharacterized protein , GN=LOC771947 PE=4 SV=2 - [F1NL83_CHICK]                             | 15.19    | 8.87     | 10.3 | 1        | 1  | 1.596 | 0.000   |

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|        |                                                                         |       |        |      |    |   |       |       |
|--------|-------------------------------------------------------------------------|-------|--------|------|----|---|-------|-------|
| F1NNN8 | Uncharacterized protein , GN=ATP6V0A2 PE=4 SV=1 - [F1NNN8_CHICK]        | 1.91  | 96.28  | 6.57 | 4  | 1 | 1.594 | 0.000 |
| Q5ZIG7 | Uncharacterized protein , GN=RCJMB04_26g6 PE=2 SV=1 - [Q5ZIG7_CHICK]    | 54.17 | 75.55  | 7.47 | 3  | 2 | 1.585 | 0.000 |
| O93568 | Fibrinogen gamma chain , PE=1 SV=1 - [O93568_CHICK]                     | 8.74  | 49.61  | 5.74 | 2  | 4 | 1.565 | 0.000 |
| P20135 | Glutathione S-transferase theta-1 , GN=GSTT1 PE=1 SV=3 - [GSTT1_CHICK]  | 18.77 | 29.80  | 7.11 | 1  | 3 | 1.564 | 0.000 |
| E1C037 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [E1C037_CHICK]         | 1.74  | 452.37 | 7.42 | 1  | 2 | 1.559 | 0.000 |
| F1NV84 | Uncharacterized protein , GN=LOC100858361 PE=4 SV=2 - [F1NV84_CHICK]    | 9.59  | 42.01  | 8.87 | 1  | 3 | 1.557 | 0.000 |
| R4GMB8 | Uncharacterized protein , GN=LOC100857922 PE=4 SV=1 - [R4GMB8_CHICK]    | 8.85  | 28.61  | 6.84 | 1  | 1 | 1.515 | 0.000 |
| Q02020 | Fibrinogen beta chain (Fragment) , GN=FGB PE=1 SV=1 - [FIBB_CHICK]      | 26.78 | 52.64  | 7.36 | 4  | 9 | 1.505 | 0.000 |
| P08286 | Histone H1.10 , PE=1 SV=3 - [H110_CHICK]                                | 30.91 | 21.99  | 11.1 | 1  | 1 | 1.486 | 0.000 |
|        |                                                                         |       |        | 8    |    |   |       |       |
| Q6F4E8 | MHC class I antigen , GN=B-F-S04 PE=2 SV=1 - [Q6F4E8_CHICK]             | 12.68 | 38.76  | 6.25 | 12 | 1 | 1.471 | 0.000 |
| E1BVA6 | Uncharacterized protein , GN=VPS33A PE=4 SV=1 - [E1BVA6_CHICK]          | 1.5   | 68.50  | 7.39 | 1  | 1 | 1.470 | 0.000 |
| F1NI66 | Uncharacterized protein (Fragment) , GN=ZER1 PE=4 SV=1 - [F1NI66_CHICK] | 1.69  | 88.38  | 5.72 | 1  | 1 | 1.469 | 0.000 |
| E1C6V5 | Uncharacterized protein , PE=4 SV=2 - [E1C6V5_CHICK]                    | 2.98  | 41.37  | 4.82 | 1  | 1 | 1.469 | 0.000 |
| Q98953 | Protein S100-A6 , GN=S100A6 PE=3 SV=1 - [S10A6_CHICK]                   | 33.7  | 10.27  | 5.01 | 1  | 3 | 1.463 | 0.000 |
| F1P332 | Uncharacterized protein , GN=LOC429115 PE=4 SV=1 - [F1P332_CHICK]       | 2.15  | 65.80  | 7.46 | 2  | 1 | 1.460 | 0.000 |
| R4GJN4 | Uncharacterized protein , GN=LOC770082 PE=4 SV=1 - [R4GJN4_CHICK]       | 7.45  | 61.06  | 6.79 | 1  | 4 | 1.452 | 0.000 |
| F1NQA5 | Uncharacterized protein , GN=UPF3B PE=2 SV=2 - [F1NQA5_CHICK]           | 3.97  | 56.85  | 9.28 | 2  | 1 | 1.452 | 0.000 |
| Q90Z16 | Optineurin, GN=OPTN PE=1 SV=1 - [OPTN_CHICK]                            | 4.86  | 64.05  | 5.00 | 1  | 2 | 1.447 | 0.000 |
| Q90633 | Complement C3 , PE=2 SV=1 - [Q90633_CHICK]                              | 5.87  | 183.97 | 7.11 | 5  | 8 | 1.442 | 0.000 |
| H9L385 | Hemopexin (Fragment) , GN=HPX PE=4 SV=2 - [H9L385_CHICK]                | 23.28 | 45.40  | 5.34 | 2  | 6 | 1.438 | 0.000 |
| E1C7F5 | Uncharacterized protein , GN=SLC33A1 PE=4 SV=1 - [E1C7F5_CHICK]         | 2.38  | 59.83  | 7.90 | 1  | 1 | 1.437 | 0.000 |
| A7UEB0 | Alpha 1-acid glycoprotein , GN=OGCHI PE=2 SV=1 - [A7UEB0_CHICK]         | 15.76 | 22.31  | 5.25 | 2  | 3 | 1.435 | 0.000 |
| Q5ZHQ1 | Small ubiquitin-related modifier 3 , GN=SUMO3 PE=3 SV=1 - [SUMO3_CHICK] | 9.57  | 10.70  | 5.50 | 1  | 1 | 1.426 | 0.000 |
| E1BTE2 | Uncharacterized protein , GN=SERPINB5 PE=3 SV=2 - [E1BTE2_CHICK]        | 2.65  | 42.62  | 5.96 | 1  | 1 | 1.425 | 0.000 |
| R4GG24 | Uncharacterized protein , GN=LOC425137 PE=4 SV=1 - [R4GG24_CHICK]       | 60.44 | 35.79  | 7.56 | 1  | 1 | 1.421 | 0.000 |

|        |                                                                                         |       |        |      |    |    |       |       |
|--------|-----------------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| F1P587 | Uncharacterized protein , GN=LOC418892 PE=4 SV=2 - [F1P587_CHICK]                       | 0.95  | 189.87 | 7.30 | 1  | 1  | 1.415 | 0.000 |
| F1NJL0 | Uncharacterized protein , GN=ATXN2 PE=4 SV=2 - [F1NJL0_CHICK]                           | 3.66  | 118.20 | 9.32 | 1  | 3  | 1.410 | 0.000 |
| Q6UZ95 | MHC class II antigen (Fragment) , PE=2 SV=1 - [Q6UZ95_CHICK]                            | 12.74 | 17.31  | 5.54 | 18 | 3  | 1.401 | 0.000 |
| H9L0N1 | Uncharacterized protein , GN=GON4L PE=4 SV=2 - [H9L0N1_CHICK]                           | 0.54  | 248.36 | 5.14 | 1  | 1  | 1.401 | 0.000 |
| E1BW06 | Uncharacterized protein (Fragment) , GN=ECI2 PE=4 SV=2 - [E1BW06_CHICK]                 | 17.59 | 43.98  | 8.48 | 1  | 6  | 1.385 | 0.001 |
| F1NZ31 | Uncharacterized protein , GN=C28H19orf10 PE=4 SV=1 - [F1NZ31_CHICK]                     | 5.39  | 18.52  | 5.55 | 2  | 1  | 1.385 | 0.001 |
| E1BWN8 | Uncharacterized protein , GN=AP1S3 PE=4 SV=1 - [E1BWN8_CHICK]                           | 5.84  | 18.37  | 5.67 | 1  | 1  | 1.382 | 0.001 |
| E1BY84 | Uncharacterized protein , GN=CAPN7 PE=4 SV=1 - [E1BY84_CHICK]                           | 1.6   | 92.49  | 7.90 | 1  | 1  | 1.379 | 0.001 |
| R4GH36 | Uncharacterized protein , GN=SNRPB2 PE=4 SV=1 - [R4GH36_CHICK]                          | 11.5  | 25.59  | 9.70 | 1  | 2  | 1.376 | 0.001 |
| Q5ZMV0 | Uncharacterized protein , GN=HCLS1 PE=2 SV=1 - [Q5ZMV0_CHICK]                           | 1.55  | 57.21  | 4.86 | 1  | 1  | 1.376 | 0.001 |
| E1C6U1 | Uncharacterized protein , GN=LPIN2 PE=2 SV=2 - [E1C6U1_CHICK]                           | 1.65  | 95.88  | 5.76 | 2  | 1  | 1.375 | 0.001 |
| B7U496 | Tapasin (Fragment) , PE=2 SV=1 - [B7U496_CHICK]                                         | 14.33 | 34.72  | 8.88 | 12 | 1  | 1.373 | 0.001 |
| F1P0J2 | Uncharacterized protein , PE=4 SV=2 - [F1P0J2_CHICK]                                    | 0.44  | 177.96 | 6.27 | 1  | 1  | 1.371 | 0.001 |
| E1C0R9 | Uncharacterized protein , GN=C5H15orf24 PE=4 SV=2 - [E1C0R9_CHICK]                      | 11.79 | 26.66  | 9.41 | 1  | 2  | 1.369 | 0.001 |
| F1NQ35 | Uncharacterized protein (Fragment) , GN=RPL35A PE=4 SV=2 - [F1NQ35_CHICK]               | 23.94 | 15.73  | 11.6 | 1  | 4  | 1.362 | 0.001 |
|        |                                                                                         |       |        | 3    |    |    |       |       |
| R4GKX1 | Uncharacterized protein , GN=LOC772271 PE=4 SV=1 - [R4GKX1_CHICK]                       | 57.28 | 35.79  | 7.11 | 1  | 1  | 1.361 | 0.001 |
| R4GJG8 | Uncharacterized protein (Fragment) , PE=4 SV=1 - [R4GJG8_CHICK]                         | 1.68  | 38.34  | 10.0 | 1  | 1  | 1.347 | 0.002 |
|        |                                                                                         |       |        | 7    |    |    |       |       |
| P08629 | Thioredoxin , GN=TXN PE=3 SV=2 - [THIO_CHICK]                                           | 61.9  | 11.69  | 5.25 | 1  | 7  | 1.345 | 0.002 |
| R4GJC4 | Uncharacterized protein , GN=CMPPK2 PE=3 SV=1 - [R4GJC4_CHICK]                          | 31.23 | 27.96  | 6.38 | 1  | 7  | 1.345 | 0.002 |
| P01875 | Ig mu chain C region , PE=2 SV=2 - [IGHM_CHICK]                                         | 6.5   | 48.14  | 6.42 | 1  | 2  | 1.345 | 0.002 |
| F1NG56 | Uncharacterized protein , GN=ARHGAP5 PE=4 SV=2 - [F1NG56_CHICK]                         | 0.53  | 171.99 | 6.62 | 1  | 1  | 1.341 | 0.002 |
| Q5ZI89 | Trafficking protein particle complex subunit 11 , GN=TRAPPC11 PE=2 SV=1 - [TPC11_CHICK] | 1.5   | 128.47 | 7.61 | 1  | 1  | 1.339 | 0.002 |
| E1C8L2 | Uncharacterized protein (Fragment) , GN=CDK7 PE=4 SV=2 - [E1C8L2_CHICK]                 | 2.27  | 39.61  | 8.68 | 2  | 1  | 1.335 | 0.002 |
| P23991 | Alcohol dehydrogenase 1 , GN=ADH1 PE=1 SV=2 - [ADH1_CHICK]                              | 43.35 | 39.78  | 8.37 | 1  | 13 | 1.333 | 0.002 |

|        |                                                                            |       |        |      |   |   |       |       |
|--------|----------------------------------------------------------------------------|-------|--------|------|---|---|-------|-------|
| F1NX74 | Uncharacterized protein , GN=KIAA0930 PE=4 SV=2 - [F1NX74_CHICK]           | 2.12  | 48.27  | 7.28 | 1 | 1 | 1.332 | 0.002 |
| F1NP19 | Uncharacterized protein (Fragment) , GN=PRSS2 PE=3 SV=2 - [F1NP19_CHICK]   | 8.89  | 19.37  | 4.50 | 3 | 1 | 1.332 | 0.002 |
| F1NBT0 | Serine/threonine-protein kinase 10 , GN=STK10 PE=3 SV=2 - [STK10_CHICK]    | 2.58  | 112.43 | 7.42 | 3 | 1 | 1.332 | 0.002 |
| F1NRD7 | Dickkopf-related protein 3 , GN=DKK3 PE=4 SV=1 - [F1NRD7_CHICK]            | 2.86  | 39.17  | 4.89 | 2 | 1 | 1.329 | 0.002 |
| Q5ZL90 | Uncharacterized protein , GN=RCJMB04_7d1 PE=2 SV=1 - [Q5ZL90_CHICK]        | 7.5   | 27.76  | 4.84 | 2 | 2 | 1.327 | 0.003 |
| Q9W6J3 | Glutathione S-transferase (Fragment) , PE=2 SV=1 - [Q9W6J3_CHICK]          | 32.8  | 21.33  | 8.24 | 3 | 4 | 1.327 | 0.003 |
| F1NCZ4 | Uncharacterized protein , GN=MRPS18C PE=3 SV=2 - [F1NCZ4_CHICK]            | 12.77 | 10.87  | 9.47 | 1 | 1 | 1.321 | 0.003 |
| E1C751 | Uncharacterized protein , GN=TMEM135 PE=2 SV=1 - [E1C751_CHICK]            | 1.75  | 52.23  | 9.57 | 1 | 1 | 1.321 | 0.003 |
| Q90ZH5 | SAP18 , GN=chSAP18 PE=1 SV=1 - [Q90ZH5_CHICK]                              | 4.58  | 17.59  | 9.35 | 1 | 1 | 1.319 | 0.003 |
| Q5ZJB7 | Charged multivesicular body protein 7 , GN=CHMP7 PE=2 SV=1 - [CHMP7_CHICK] | 2.01  | 49.75  | 5.22 | 1 | 1 | 1.317 | 0.003 |
| F1NB63 | Uncharacterized protein (Fragment) , GN=HEXDC PE=4 SV=2 - [F1NB63_CHICK]   | 2.29  | 55.61  | 6.65 | 1 | 1 | 1.314 | 0.004 |
| F1NW76 | Uncharacterized protein (Fragment) , GN=IQCE PE=4 SV=2 - [F1NW76_CHICK]    | 1.84  | 79.84  | 8.79 | 4 | 1 | 1.313 | 0.004 |
| E1BZ47 | Uncharacterized protein , GN=LOC417973 PE=4 SV=1 - [E1BZ47_CHICK]          | 12.04 | 37.64  | 5.62 | 1 | 4 | 1.312 | 0.004 |
| F1NMK5 | Uncharacterized protein , GN=KIAA0100 PE=2 SV=2 - [F1NMK5_CHICK]           | 0.53  | 254.19 | 7.34 | 1 | 1 | 1.312 | 0.004 |
| E1C2P9 | Kinectin , GN=KTN1 PE=2 SV=2 - [E1C2P9_CHICK]                              | 37.89 | 156.16 | 5.82 | 1 | 1 | 1.311 | 0.004 |
| Q08392 | Glutathione S-transferase , PE=2 SV=1 - [GSTA1_CHICK]                      | 66.06 | 25.28  | 8.88 | 3 | 9 | 1.310 | 0.004 |
| F1P1A9 | Uncharacterized protein , GN=Gga.19936 PE=4 SV=2 - [F1P1A9_CHICK]          | 0.74  | 117.68 | 6.18 | 2 | 1 | 1.309 | 0.004 |
| Q08393 | Glutathione S-transferase , PE=2 SV=2 - [GSTA2_CHICK]                      | 40.54 | 25.40  | 8.73 | 1 | 7 | 1.309 | 0.004 |
| E1BRP4 | Uncharacterized protein , GN=FAM160B1 PE=4 SV=2 - [E1BRP4_CHICK]           | 2.32  | 88.13  | 5.30 | 1 | 1 | 1.309 | 0.004 |
| F1P4V1 | Fibrinogen alpha chain , GN=FGA PE=4 SV=1 - [F1P4V1_CHICK]                 | 3.78  | 82.34  | 6.06 | 2 | 2 | 1.307 | 0.004 |
| E1BTS3 | Uncharacterized protein , GN=LYRM5 PE=4 SV=1 - [E1BTS3_CHICK]              | 8.14  | 10.30  | 9.79 | 1 | 1 | 1.303 | 0.005 |
| Q5ZIR7 | Uncharacterized protein , GN=FABP5 PE=2 SV=1 - [Q5ZIR7_CHICK]              | 62.69 | 15.07  | 5.69 | 1 | 9 | 1.302 | 0.005 |
| E1BR29 | Uncharacterized protein , GN=TIMM23 PE=4 SV=1 - [E1BR29_CHICK]             | 9.9   | 20.80  | 9.14 | 1 | 1 | 1.300 | 0.005 |
| F1NJ62 | Uncharacterized protein , GN=DDX24 PE=4 SV=2 - [F1NJ62_CHICK]              | 0.74  | 91.61  | 9.03 | 1 | 1 | 1.299 | 0.005 |
| E1BR24 | Uncharacterized protein , GN=AIFM2 PE=4 SV=1 - [E1BR24_CHICK]              | 6.97  | 40.59  | 7.31 | 1 | 2 | 1.298 | 0.005 |
| F1NND9 | Uncharacterized protein , GN=ICT1 PE=4 SV=2 - [F1NND9_CHICK]               | 13.4  | 21.95  | 10.2 | 1 | 2 | 1.298 | 0.005 |

|        |                                                                                             |       |        |      |   |    |       |       |  |  |  |
|--------|---------------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|--|--|--|
|        |                                                                                             |       |        |      |   |    | 0     |       |  |  |  |
| F1NED5 | X-ray repair cross-complementing protein 5 (Fragment) , GN=XRCC6 PE=2 SV=2 - [F1NED5_CHICK] | 1.93  | 71.18  | 6.15 | 2 | 1  | 1.297 | 0.006 |  |  |  |
| Q09121 | Eukaryotic translation initiation factor 5A-1 , GN=EIF5A1 PE=1 SV=3 - [IF5A1_CHICK]         | 22.22 | 15.88  | 5.55 | 1 | 2  | 1.297 | 0.006 |  |  |  |
| E1BRA8 | Uncharacterized protein , PE=4 SV=1 - [E1BRA8_CHICK]                                        | 1.11  | 90.14  | 9.51 | 1 | 1  | 1.291 | 0.006 |  |  |  |
| E1C1S5 | Uncharacterized protein , GN=SUPT6H PE=4 SV=2 - [E1C1S5_CHICK]                              | 0.87  | 199.36 | 4.89 | 1 | 1  | 1.291 | 0.006 |  |  |  |
| E1BV20 | Uncharacterized protein , GN=PHF5A PE=4 SV=2 - [E1BV20_CHICK]                               | 11.11 | 13.05  | 8.05 | 1 | 1  | 1.289 | 0.007 |  |  |  |
| Q5ZJQ4 | Uncharacterized protein , GN=SGK3 PE=2 SV=1 - [Q5ZJQ4_CHICK]                                | 3.06  | 56.22  | 6.73 | 1 | 1  | 1.288 | 0.007 |  |  |  |
| F1P470 | D-dopachrome decarboxylase , GN=DDT PE=4 SV=1 - [F1P470_CHICK]                              | 44.92 | 12.80  | 7.14 | 2 | 5  | 1.288 | 0.007 |  |  |  |
| P67883 | 60S ribosomal protein L30 , GN=RPL30 PE=3 SV=2 - [RL30_CHICK]                               | 45.22 | 12.81  | 9.63 | 2 | 5  | 1.286 | 0.007 |  |  |  |
| Q07816 | Bcl-2-like protein 1 , GN=BCL2L1 PE=2 SV=2 - [B2CL1_CHICK]                                  | 6.11  | 25.72  | 5.21 | 1 | 1  | 1.285 | 0.007 |  |  |  |
| F1NV37 | Uncharacterized protein (Fragment) , GN=NT5C1B PE=4 SV=1 - [F1NV37_CHICK]                   | 5.26  | 40.24  | 5.86 | 1 | 2  | 1.285 | 0.007 |  |  |  |
| P00504 | Aspartate aminotransferase, cytoplasmic , GN=GOT1 PE=1 SV=3 - [AATC_CHICK]                  | 48.79 | 45.91  | 8.12 | 1 | 1  | 1.284 | 0.008 |  |  |  |
| F1P4X3 | Uncharacterized protein (Fragment) , GN=FUCA1 PE=4 SV=1 - [F1P4X3_CHICK]                    | 2.38  | 52.43  | 6.37 | 1 | 1  | 1.281 | 0.008 |  |  |  |
| E1BZP9 | Translation initiation factor IF-2 , GN=MTIF2 PE=4 SV=2 - [E1BZP9_CHICK]                    | 3.72  | 81.16  | 8.57 | 1 | 2  | 1.280 | 0.009 |  |  |  |
| Q1W2P6 | Galectin , PE=2 SV=1 - [Q1W2P6_CHICK]                                                       | 6.42  | 33.68  | 8.07 | 3 | 2  | 1.278 | 0.009 |  |  |  |
| R4GIB5 | Uncharacterized protein (Fragment) , PE=4 SV=1 - [R4GIB5_CHICK]                             | 12.5  | 20.64  | 4.60 | 1 | 1  | 1.278 | 0.009 |  |  |  |
| F1NV71 | Uncharacterized protein , GN=NOC2L PE=4 SV=1 - [F1NV71_CHICK]                               | 1.83  | 87.54  | 5.40 | 4 | 1  | 1.277 | 0.009 |  |  |  |
| R4GFG7 | Uncharacterized protein , GN=LOC100859810 PE=4 SV=1 - [R4GFG7_CHICK]                        | 1.41  | 55.31  | 8.47 | 2 | 1  | 1.271 | 0.010 |  |  |  |
| E1BQC2 | Uncharacterized protein , GN=LTF PE=2 SV=2 - [E1BQC2_CHICK]                                 | 28.51 | 77.77  | 7.12 | 5 | 18 | 1.270 | 0.011 |  |  |  |
| F1NYT3 | Uncharacterized protein , GN=CES1 PE=4 SV=2 - [F1NYT3_CHICK]                                | 40.57 | 61.82  | 5.47 | 1 | 7  | 1.270 | 0.011 |  |  |  |
| F1NZH6 | Uncharacterized protein , GN=PECR PE=4 SV=1 - [F1NZH6_CHICK]                                | 19.27 | 31.83  | 8.72 | 2 | 5  | 1.269 | 0.011 |  |  |  |
| F1P4R8 | Uncharacterized protein (Fragment) , GN=TMEM82 PE=4 SV=2 - [F1P4R8_CHICK]                   | 2.65  | 36.94  | 8.56 | 1 | 1  | 1.269 | 0.011 |  |  |  |
| F1NFZ8 | Uncharacterized protein , GN=GEMIN4 PE=2 SV=1 - [F1NFZ8_CHICK]                              | 1.03  | 119.18 | 5.27 | 3 | 1  | 1.268 | 0.011 |  |  |  |
| E1BUF4 | Uncharacterized protein (Fragment) , GN=CABIN1 PE=4 SV=2 - [E1BUF4_CHICK]                   | 0.42  | 243.40 | 5.77 | 1 | 1  | 1.264 | 0.012 |  |  |  |
| F1NJF9 | Uncharacterized protein (Fragment) , GN=C1H22orf32 PE=4 SV=1 - [F1NJF9_CHICK]               | 21.43 | 10.27  | 8.68 | 1 | 1  | 1.264 | 0.012 |  |  |  |

|        |                                                                                                  |       |        |      |    |   |       |       |
|--------|--------------------------------------------------------------------------------------------------|-------|--------|------|----|---|-------|-------|
| Q5ZLF6 | Uncharacterized protein , GN=RCJMB04_6g23 PE=2 SV=1 - [Q5ZLF6_CHICK]                             | 14.61 | 24.78  | 5.64 | 3  | 3 | 1.264 | 0.012 |
| H9L3I5 | Uncharacterized protein , GN=LOC769729 PE=4 SV=1 - [H9L3I5_CHICK]                                | 5.17  | 19.64  | 6.67 | 1  | 1 | 1.262 | 0.013 |
| F1NXV6 | Uncharacterized protein , GN=F2 PE=3 SV=1 - [F1NXV6_CHICK]                                       | 3.29  | 69.06  | 5.74 | 5  | 1 | 1.261 | 0.013 |
| E1C0E2 | Uncharacterized protein , GN=DENND2D PE=4 SV=2 - [E1C0E2_CHICK]                                  | 2.35  | 53.44  | 8.68 | 1  | 1 | 1.258 | 0.014 |
| F1NFX3 | Uncharacterized protein , GN=Gga.39592 PE=4 SV=2 - [F1NFX3_CHICK]                                | 4.12  | 41.30  | 8.32 | 1  | 2 | 1.258 | 0.014 |
| F1P5G2 | Uncharacterized protein , GN=LOC423919 PE=4 SV=2 - [F1P5G2_CHICK]                                | 1.4   | 79.96  | 5.88 | 1  | 1 | 1.257 | 0.015 |
| E1BVN5 | Uncharacterized protein , GN=PLRG1 PE=4 SV=1 - [E1BVN5_CHICK]                                    | 1.55  | 57.09  | 8.94 | 1  | 1 | 1.257 | 0.015 |
| P02112 | Hemoglobin subunit beta , GN=HBB PE=1 SV=2 - [HBB_CHICK]                                         | 81.63 | 16.46  | 8.63 | 6  | 6 | 1.256 | 0.015 |
| F1P369 | Uncharacterized protein , PE=4 SV=2 - [F1P369_CHICK]                                             | 0.64  | 207.43 | 5.62 | 1  | 1 | 1.254 | 0.016 |
| E1BVG8 | Uncharacterized protein , GN=RAB3GAP2 PE=4 SV=2 - [E1BVG8_CHICK]                                 | 2.27  | 157.41 | 5.39 | 2  | 2 | 1.254 | 0.016 |
| P19121 | Serum albumin , GN=ALB PE=1 SV=2 - [ALBU_CHICK]                                                  | 65.53 | 69.87  | 5.74 | 1  | 3 | 1.252 | 0.016 |
| F1NBI4 | Uncharacterized protein (Fragment) , GN=HECTD3 PE=4 SV=1 - [F1NBI4_CHICK]                        | 4.23  | 97.06  | 5.72 | 1  | 2 | 1.251 | 0.017 |
| E1BUR3 | Uncharacterized protein (Fragment) , GN=DDRKG1 PE=4 SV=2 - [E1BUR3_CHICK]                        | 12.38 | 35.65  | 5.26 | 1  | 3 | 1.250 | 0.017 |
| E1BTE0 | Single-stranded DNA-binding protein , GN=SSBP1 PE=3 SV=2 - [E1BTE0_CHICK]                        | 5.92  | 17.49  | 9.45 | 1  | 1 | 1.250 | 0.017 |
| F1NM54 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [F1NM54_CHICK]                                  | 2.09  | 66.93  | 6.55 | 1  | 1 | 1.249 | 0.017 |
| E1C477 | Uncharacterized protein , GN=UBQLN1 PE=4 SV=2 - [E1C477_CHICK]                                   | 11.28 | 62.83  | 5.27 | 2  | 4 | 1.249 | 0.017 |
| E1BVP2 | Uncharacterized protein , GN=PLD1 PE=4 SV=2 - [E1BVP2_CHICK]                                     | 2.31  | 118.92 | 8.98 | 1  | 2 | 1.249 | 0.018 |
| H9L3S4 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [H9L3S4_CHICK]                                  | 17.18 | 55.27  | 7.59 | 1  | 5 | 1.249 | 0.018 |
| Q5F3C9 | SH3 domain-binding glutamic acid-rich-like protein , GN=RCJMB04_21c16 PE=2 SV=1 - [Q5F3C9_CHICK] | 74.56 | 12.79  | 5.11 | 2  | 8 | 1.246 | 0.019 |
| Q2LAI0 | 5'-AMP-activated protein kinase alpha-2 catalytic subunit , GN=PRKAA2 PE=2 SV=1 - [Q2LAI0_CHICK] | 3.08  | 62.35  | 7.58 | 2  | 1 | 1.245 | 0.019 |
| A5HUI9 | BG antigen (Fragment) , GN=BG3 PE=4 SV=1 - [A5HUI9_CHICK]                                        | 30.6  | 50.63  | 4.89 | 18 | 5 | 1.244 | 0.020 |
| P30352 | Serine/arginine-rich splicing factor 2 , GN=SRSF2 PE=2 SV=1 - [SRSF2_CHICK]                      | 3.62  | 25.51  | 11.8 | 1  | 1 | 1.243 | 0.020 |
|        |                                                                                                  |       |        | 5    |    |   |       |       |
| F1NCG5 | Uncharacterized protein (Fragment) , GN=LRRFIP1 PE=4 SV=2 - [F1NCG5_CHICK]                       | 2.28  | 69.89  | 5.99 | 1  | 1 | 1.240 | 0.021 |

|        |                                                                                                |       |        |      |   |    |       |       |
|--------|------------------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| B4X9P4 | Microsomal glutathione S-transferase 1 , GN=MGST1 PE=2 SV=1 - [B4X9P4_CHICK]                   | 30.97 | 17.25  | 9.66 | 2 | 1  | 1.240 | 0.021 |
| F1N9N4 | Stathmin-3 , GN=NPC2 PE=2 SV=1 - [F1N9N4_CHICK]                                                | 14.19 | 16.20  | 6.51 | 2 | 1  | 1.240 | 0.022 |
| F1N918 | Uncharacterized protein , GN=GZMK PE=3 SV=2 - [F1N918_CHICK]                                   | 7.25  | 28.99  | 9.10 | 1 | 2  | 1.240 | 0.022 |
| E1C8P2 | Uncharacterized protein , GN=PAPSS1 PE=3 SV=1 - [E1C8P2_CHICK]                                 | 16.51 | 70.76  | 6.74 | 1 | 6  | 1.239 | 0.022 |
| P27003 | Protein S100-A10 , GN=S100A10 PE=3 SV=2 - [S10AA_CHICK]                                        | 35.05 | 11.28  | 7.39 | 2 | 4  | 1.237 | 0.023 |
| F1NAP1 | Uncharacterized protein , GN=EIF2B2 PE=3 SV=1 - [F1NAP1_CHICK]                                 | 3.99  | 38.99  | 6.28 | 2 | 1  | 1.235 | 0.024 |
| F1NTM7 | Aspartate aminotransferase , GN=GOT1 PE=3 SV=2 - [F1NTM7_CHICK]                                | 48.79 | 45.88  | 8.12 | 1 | 1  | 1.234 | 0.024 |
| F1NFI4 | Uncharacterized protein (Fragment) , GN=IL17F PE=4 SV=1 - [F1NFI4_CHICK]                       | 10.63 | 18.04  | 8.50 | 2 | 1  | 1.234 | 0.025 |
| F1NJC7 | Retinal dehydrogenase 1 , GN=ALDH1A1 PE=2 SV=2 - [F1NJC7_CHICK]                                | 66.4  | 55.80  | 7.56 | 4 | 31 | 1.233 | 0.025 |
| P00793 | Pepsin A , GN=PGA PE=1 SV=1 - [PEPA_CHICK]                                                     | 10.08 | 40.41  | 5.17 | 3 | 2  | 1.232 | 0.026 |
| E1BZF9 | Uncharacterized protein , PE=4 SV=2 - [E1BZF9_CHICK]                                           | 12.41 | 64.73  | 6.99 | 1 | 5  | 1.231 | 0.026 |
| F1P521 | Uncharacterized protein (Fragment) , GN=PTPRE PE=4 SV=2 - [F1P521_CHICK]                       | 1.81  | 76.68  | 7.39 | 1 | 1  | 1.230 | 0.027 |
| F1NYP2 | Uncharacterized protein , GN=TSPAN14 PE=2 SV=2 - [F1NYP2_CHICK]                                | 6.3   | 30.35  | 6.52 | 1 | 1  | 1.230 | 0.027 |
| R9PXQ6 | Uncharacterized protein , PE=4 SV=1 - [R9PXQ6_CHICK]                                           | 4.1   | 40.78  | 4.61 | 2 | 1  | 1.229 | 0.027 |
| F1NQZ9 | Uncharacterized protein (Fragment) , GN=GCLC PE=4 SV=2 - [F1NQZ9_CHICK]                        | 24.53 | 66.76  | 5.72 | 1 | 12 | 1.229 | 0.027 |
| F1NYM4 | Uncharacterized protein (Fragment) , GN=LOC426599 PE=2 SV=2 - [F1NYM4_CHICK]                   | 35.02 | 53.15  | 6.35 | 1 | 5  | 1.229 | 0.028 |
| F1NSH8 | Adenosylhomocysteinase , GN=AHCYL2 PE=3 SV=2 - [F1NSH8_CHICK]                                  | 23.08 | 56.66  | 7.99 | 2 | 3  | 1.229 | 0.028 |
| F1NK40 | Uncharacterized protein , GN=LOC100858010 PE=4 SV=2 - [F1NK40_CHICK]                           | 3.53  | 163.24 | 6.37 | 2 | 4  | 1.228 | 0.028 |
| F1NAN9 | Uncharacterized protein (Fragment) , GN=SCARB1 PE=4 SV=2 - [F1NAN9_CHICK]                      | 10.3  | 56.11  | 6.46 | 1 | 5  | 1.228 | 0.028 |
| E1C7X8 | S-adenosylmethionine synthase , GN=LOC427292 PE=3 SV=1 - [E1C7X8_CHICK]                        | 38.3  | 43.22  | 6.62 | 1 | 10 | 1.228 | 0.028 |
| F1NLD4 | Inhibitor of nuclear factor kappa-B kinase subunit alpha, GN=CHUK PE=4 SV=1-<br>[F1NLD4_CHICK] | 0.92  | 86.06  | 6.32 | 2 | 1  | 1.226 | 0.003 |
| E1C7A7 | Uncharacterized protein , GN=VTN PE=2 SV=2 - [E1C7A7_CHICK]                                    | 7.95  | 51.62  | 5.35 | 2 | 3  | 1.224 | 0.030 |
| E1BXG0 | Peptidyl-prolyl cis-trans isomerase , GN=PPIH PE=3 SV=1 - [E1BXG0_CHICK]                       | 19.21 | 19.19  | 8.07 | 1 | 3  | 1.224 | 0.030 |
| F1NZF7 | Uncharacterized protein , GN=SF3B3 PE=2 SV=2 - [F1NZF7_CHICK]                                  | 12.38 | 122.74 | 5.31 | 2 | 4  | 1.223 | 0.031 |
| F1NZA0 | Uncharacterized protein , GN=LOC100858366 PE=2 SV=2 - [F1NZA0_CHICK]                           | 0.84  | 135.12 | 7.65 | 1 | 1  | 1.220 | 0.034 |

|        |                                                                                             |       |        |      |    |    |       |       |
|--------|---------------------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| F1NX32 | Glycine dehydrogenase [decarboxylating], mitochondrial , GN=GLDC PE=2 SV=2 - [F1NX32_CHICK] | 18.9  | 123.98 | 8.41 | 2  | 14 | 1.219 | 0.034 |
| F1NHJ5 | Uncharacterized protein , GN=BTA1 PE=4 SV=2 - [F1NHJ5_CHICK]                                | 0.57  | 195.85 | 6.70 | 1  | 1  | 1.219 | 0.034 |
| F1NX62 | Uncharacterized protein , GN=TTC39B PE=4 SV=2 - [F1NX62_CHICK]                              | 12.82 | 66.99  | 6.01 | 9  | 6  | 1.219 | 0.034 |
| F1NXZ7 | Uncharacterized protein , GN=FAHD1 PE=4 SV=2 - [F1NXZ7_CHICK]                               | 18.83 | 24.70  | 7.08 | 1  | 3  | 1.217 | 0.035 |
| F1NER9 | Uncharacterized protein , GN=CD36 PE=4 SV=2 - [F1NER9_CHICK]                                | 5.31  | 52.60  | 8.37 | 3  | 3  | 1.217 | 0.036 |
| Q9I993 | Beta,beta-carotene 15,15'-monooxygenase , GN=BCMO1 PE=1 SV=1 - [BCDO1_CHICK]                | 34.22 | 60.35  | 6.46 | 1  | 15 | 1.215 | 0.037 |
| N0DLW6 | ATP synthase subunit a (Fragment) , GN=ATP6 PE=3 SV=1 - [N0DLW6_CHICK]                      | 13.75 | 17.42  | 11.4 | 12 | 2  | 1.213 | 0.039 |
|        |                                                                                             |       |        | 7    |    |    |       |       |
| R4GI52 | Uncharacterized protein , PE=3 SV=1 - [R4GI52_CHICK]                                        | 4.05  | 27.43  | 5.94 | 15 | 1  | 1.212 | 0.039 |
| H9L0U6 | Proteasome subunit beta type , GN=PSMB4 PE=3 SV=1 - [H9L0U6_CHICK]                          | 12.4  | 28.09  | 5.97 | 1  | 3  | 1.212 | 0.039 |
| E1BXX6 | Uncharacterized protein , GN=DIS3 PE=4 SV=2 - [E1BXX6_CHICK]                                | 3.21  | 112.74 | 7.30 | 1  | 3  | 1.212 | 0.040 |
| H9L006 | Uncharacterized protein , GN=CPSF7 PE=4 SV=2 - [H9L006_CHICK]                               | 1.73  | 51.18  | 7.50 | 1  | 1  | 1.211 | 0.040 |
| F1P1W8 | Uncharacterized protein , GN=RRP1B PE=2 SV=2 - [F1P1W8_CHICK]                               | 0.93  | 84.41  | 9.55 | 2  | 1  | 1.210 | 0.041 |
| Q6B842 | Carnitine palmitoyltransferase I , GN=CPT1A PE=2 SV=1 - [Q6B842_CHICK]                      | 27.92 | 87.83  | 8.44 | 1  | 18 | 1.209 | 0.042 |
| Q5F371 | Protein strawberry notch homolog 1 , GN=SBNO1 PE=2 SV=1 - [SBNO1_CHICK]                     | 1.05  | 137.10 | 6.48 | 2  | 1  | 1.209 | 0.042 |
| E1C6C4 | Uncharacterized protein , GN=DPY30 PE=4 SV=1 - [E1C6C4_CHICK]                               | 25.25 | 11.25  | 4.88 | 1  | 2  | 1.209 | 0.042 |
| F1NFY2 | Uncharacterized protein , GN=GPD1 PE=3 SV=2 - [F1NFY2_CHICK]                                | 59.03 | 38.44  | 6.67 | 2  | 14 | 1.208 | 0.043 |
| B9VMA9 | Sodium vitamin C co-transporter 2 , GN=SVCT2 PE=2 SV=1 - [B9VMA9_CHICK]                     | 1.52  | 71.52  | 7.28 | 1  | 1  | 1.207 | 0.044 |
| F1ND19 | Uncharacterized protein , GN=ACSL4 PE=4 SV=2 - [F1ND19_CHICK]                               | 4.33  | 74.46  | 8.15 | 1  | 2  | 1.206 | 0.045 |
| F1NJ82 | Uncharacterized protein , GN=TACR3 PE=3 SV=2 - [F1NJ82_CHICK]                               | 2.51  | 49.28  | 9.47 | 1  | 1  | 1.204 | 0.047 |
| F1NMN2 | Uncharacterized protein , GN=Gga.5085 PE=2 SV=2 - [F1NMN2_CHICK]                            | 3.46  | 44.30  | 5.96 | 2  | 1  | 1.204 | 0.047 |
| E1BXJ6 | Uncharacterized protein , GN=SHPK PE=4 SV=2 - [E1BXJ6_CHICK]                                | 10.68 | 50.50  | 6.10 | 1  | 3  | 1.204 | 0.047 |
| F1NVA1 | Uncharacterized protein , GN=ACSM3 PE=4 SV=2 - [F1NVA1_CHICK]                               | 3.98  | 64.80  | 8.43 | 1  | 1  | 1.203 | 0.047 |
| F1NBN4 | Uncharacterized protein (Fragment) , GN=Gga.9005 PE=4 SV=1 - [F1NBN4_CHICK]                 | 15.09 | 17.87  | 9.67 | 1  | 2  | 1.203 | 0.048 |
| F1NJD9 | Uncharacterized protein , GN=WDR52 PE=4 SV=2 - [F1NJD9_CHICK]                               | 1.06  | 123.12 | 7.33 | 1  | 1  | 1.202 | 0.048 |

|        |                                                                                                                                                                                             |       |        |      |   |    |       |       |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| Q9PSS9 | Gallus Gallus mRNA encoding a tropomyosin, homologous to a human heat stable cytoskeletal protein having an apparent molecular weight of 36000 Dalton (hscp 36). PE=2 SV=1 - [Q9PSS9_CHICK] | 44.87 | 8.90   | 4.41 | 1 | 1  | 1.201 | 0.050 |
| R4GLY2 | Uncharacterized protein , GN=SCYL2 PE=4 SV=1 - [R4GLY2_CHICK]                                                                                                                               | 3.22  | 103.39 | 8.16 | 3 | 2  | 0.833 | 0.032 |
| Q71UL8 | NADH-ubiquinone oxidoreductase chain 3 (Fragment) , PE=3 SV=1 - [Q71UL8_CHICK]                                                                                                              | 13.89 | 12.24  | 4.55 | 9 | 1  | 0.832 | 0.032 |
| F1NV66 | Uncharacterized protein , GN=NSMCE4A PE=4 SV=2 - [F1NV66_CHICK]                                                                                                                             | 2.53  | 44.63  | 4.91 | 1 | 1  | 0.832 | 0.032 |
| Q90617 | Lysosome-associated membrane glycoprotein 2 , GN=LAMP2 PE=2 SV=1 - [LAMP2_CHICK]                                                                                                            | 2.12  | 46.69  | 6.62 | 1 | 1  | 0.832 | 0.031 |
| E1C0W9 | Uncharacterized protein , GN=ABCB7 PE=3 SV=2 - [E1C0W9_CHICK]                                                                                                                               | 7.14  | 81.27  | 9.33 | 1 | 4  | 0.832 | 0.031 |
| E1C6A2 | Uncharacterized protein , GN=PAIP1 PE=4 SV=2 - [E1C6A2_CHICK]                                                                                                                               | 4.85  | 52.31  | 4.65 | 1 | 2  | 0.831 | 0.030 |
| E1C7G8 | Dimethylaniline monooxygenase [N-oxide-forming] , GN=LOC100857724 PE=3 SV=2 - [E1C7G8_CHICK]                                                                                                | 19.28 | 60.43  | 8.73 | 2 | 9  | 0.831 | 0.030 |
| F1P5P8 | Uncharacterized protein , GN=ASB13 PE=2 SV=2 - [F1P5P8_CHICK]                                                                                                                               | 4.32  | 29.99  | 7.62 | 1 | 1  | 0.830 | 0.030 |
| O57580 | High molecular mass nuclear antigen (Fragment) , PE=2 SV=1 - [O57580_CHICK]                                                                                                                 | 0.87  | 109.64 | 9.86 | 1 | 1  | 0.830 | 0.029 |
| F1NXX9 | Uncharacterized protein (Fragment) , GN=BPI PE=4 SV=2 - [F1NXX9_CHICK]                                                                                                                      | 2.27  | 53.12  | 9.14 | 1 | 1  | 0.830 | 0.029 |
| Q5F471 | Serine/threonine-protein phosphatase 6 regulatory subunit 3 , GN=PPP6R3 PE=2 SV=1 - [PP6R3_CHICK]                                                                                           | 2.29  | 98.25  | 4.58 | 7 | 2  | 0.829 | 0.028 |
| F1NLT1 | Uncharacterized protein , GN=RPAP1 PE=2 SV=2 - [F1NLT1_CHICK]                                                                                                                               | 1.05  | 160.57 | 6.48 | 1 | 1  | 0.829 | 0.028 |
| E1C6N6 | Uncharacterized protein , GN=COMMD9 PE=4 SV=1 - [E1C6N6_CHICK]                                                                                                                              | 12.06 | 21.80  | 6.33 | 1 | 2  | 0.828 | 0.027 |
| R4GGG5 | Microfibrillar-associated protein 1 , GN=MFAP1 PE=4 SV=1 - [R4GGG5_CHICK]                                                                                                                   | 7.06  | 51.94  | 4.97 | 2 | 2  | 0.828 | 0.027 |
| Q5UTF3 | Upstream stimulatory factor 2 , GN=USF2 PE=2 SV=1 - [Q5UTF3_CHICK]                                                                                                                          | 4.59  | 32.50  | 4.91 | 1 | 1  | 0.827 | 0.027 |
| E1C573 | Uncharacterized protein , GN=LCMT2 PE=4 SV=1 - [E1C573_CHICK]                                                                                                                               | 2.05  | 76.41  | 6.89 | 1 | 1  | 0.827 | 0.027 |
| F1P2A6 | Adenosine deaminase , GN=ADA PE=3 SV=2 - [F1P2A6_CHICK]                                                                                                                                     | 66.95 | 40.65  | 6.10 | 2 | 24 | 0.826 | 0.026 |
| Q5ZI81 | Uncharacterized protein , GN=RCJMB04_29g21 PE=2 SV=1 - [Q5ZI81_CHICK]                                                                                                                       | 20.95 | 86.29  | 6.04 | 1 | 1  | 0.825 | 0.024 |
| F1N8T2 | Uncharacterized protein , GN=LOC100857227 PE=3 SV=2 - [F1N8T2_CHICK]                                                                                                                        | 1.36  | 129.55 | 5.55 | 1 | 1  | 0.824 | 0.024 |
| P19966 | Transgelin , GN=TAGLN PE=1 SV=3 - [TAGL_CHICK]                                                                                                                                              | 50    | 22.30  | 8.81 | 1 | 9  | 0.824 | 0.023 |
| Q5ZKI1 | Uncharacterized protein , GN=CLIC2 PE=2 SV=1 - [Q5ZKI1_CHICK]                                                                                                                               | 8.61  | 28.12  | 5.57 | 1 | 1  | 0.824 | 0.023 |



|        |                                                                                                 |       |        |      |    |    |       |       |
|--------|-------------------------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| P10587 | Myosin-11 , GN=MYH11 PE=1 SV=4 - [MYH11_CHICK]                                                  | 29.36 | 228.65 | 5.55 | 17 | 26 | 0.823 | 0.022 |
| R4GGZ2 | Uncharacterized protein , GN=NDUFA4 PE=4 SV=1 - [R4GGZ2_CHICK]                                  | 12.2  | 9.49   | 9.54 | 1  | 1  | 0.822 | 0.022 |
| E1C0E9 | Uncharacterized protein , GN=STYK1 PE=4 SV=2 - [E1C0E9_CHICK]                                   | 2.11  | 48.57  | 6.73 | 1  | 1  | 0.821 | 0.021 |
| P02542 | Desmin , GN=DES PE=1 SV=1 - [DESM_CHICK]                                                        | 22.03 | 53.25  | 5.58 | 1  | 1  | 0.821 | 0.021 |
| Q5F3Y4 | Uncharacterized protein , GN=RCJMB04_4d23 PE=2 SV=1 - [Q5F3Y4_CHICK]                            | 2.55  | 47.22  | 6.15 | 3  | 1  | 0.821 | 0.021 |
| Q6EI13 | GammaA-like protocadherin , PE=2 SV=1 - [Q6EI13_CHICK]                                          | 1.48  | 86.81  | 5.25 | 1  | 1  | 0.821 | 0.021 |
| F1NZ81 | Uncharacterized protein , GN=ACADSB PE=3 SV=2 - [F1NZ81_CHICK]                                  | 11.57 | 47.57  | 7.80 | 2  | 4  | 0.820 | 0.020 |
| F1NZH1 | Uncharacterized protein , GN=SLITRK6 PE=4 SV=2 - [F1NZH1_CHICK]                                 | 1.79  | 94.54  | 6.37 | 1  | 1  | 0.820 | 0.020 |
| E1C0S7 | Uncharacterized protein , GN=LACE1 PE=4 SV=2 - [E1C0S7_CHICK]                                   | 1.45  | 62.20  | 8.46 | 1  | 1  | 0.820 | 0.020 |
| F1NGV1 | Zinc finger CCCH domain-containing protein 15 (Fragment) , GN=ZC3H15 PE=2 SV=2 - [F1NGV1_CHICK] | 5.61  | 48.70  | 5.10 | 2  | 2  | 0.820 | 0.020 |
| E1C6J7 | Uncharacterized protein , GN=RAB17 PE=3 SV=1 - [E1C6J7_CHICK]                                   | 5.63  | 23.91  | 7.42 | 1  | 1  | 0.820 | 0.020 |
| F1NYD4 | Uncharacterized protein (Fragment) , GN=CLNS1A PE=4 SV=2 - [F1NYD4_CHICK]                       | 4.58  | 26.66  | 4.18 | 1  | 1  | 0.819 | 0.020 |
| E1C7F8 | Uncharacterized protein , GN=Gga.22300 PE=2 SV=2 - [E1C7F8_CHICK]                               | 6.53  | 47.37  | 9.01 | 2  | 2  | 0.818 | 0.019 |
| F1NFE0 | Collagen alpha-1(VI) chain , GN=COL6A1 PE=2 SV=2 - [F1NFE0_CHICK]                               | 1.37  | 107.90 | 5.90 | 2  | 1  | 0.818 | 0.019 |
| E1BYZ4 | Uncharacterized protein , GN=FAM114A2 PE=4 SV=1 - [E1BYZ4_CHICK]                                | 7.82  | 54.34  | 4.64 | 1  | 2  | 0.817 | 0.018 |
| F1P5J7 | Uncharacterized protein , GN=AGPS PE=4 SV=2 - [F1P5J7_CHICK]                                    | 11.79 | 70.71  | 8.06 | 1  | 6  | 0.817 | 0.018 |
| F1NEW3 | Uncharacterized protein , GN=TRIM2 PE=4 SV=2 - [F1NEW3_CHICK]                                   | 1.88  | 81.50  | 6.90 | 1  | 1  | 0.817 | 0.018 |
| F1NFA8 | Uncharacterized protein (Fragment) , GN=NUP62 PE=4 SV=2 - [F1NFA8_CHICK]                        | 2.65  | 57.44  | 5.71 | 1  | 1  | 0.817 | 0.018 |
| H9L0H1 | Transcription elongation factor SPT5 , GN=SUPT5H PE=4 SV=2 - [H9L0H1_CHICK]                     | 1.02  | 119.94 | 5.10 | 2  | 1  | 0.816 | 0.017 |
| E1C5Y5 | Uncharacterized protein (Fragment) , GN=Gga.55089 PE=2 SV=2 - [E1C5Y5_CHICK]                    | 0.88  | 145.37 | 4.97 | 1  | 1  | 0.816 | 0.017 |
| E1C252 | Uncharacterized protein , GN=CHMP4C PE=4 SV=1 - [E1C252_CHICK]                                  | 6.36  | 25.15  | 5.62 | 1  | 1  | 0.816 | 0.017 |
| E1C8Q3 | Uncharacterized protein , GN=ALDH18A1 PE=4 SV=2 - [E1C8Q3_CHICK]                                | 9.85  | 87.85  | 7.20 | 1  | 6  | 0.815 | 0.017 |
| Q5ZM18 | Nucleolar GTP-binding protein 1 , GN=GTPBP4 PE=2 SV=1 - [Q5ZM18_CHICK]                          | 3.17  | 73.89  | 9.52 | 1  | 2  | 0.813 | 0.015 |
| E1C7K6 | Uncharacterized protein , GN=FOLH1 PE=4 SV=1 - [E1C7K6_CHICK]                                   | 10.52 | 83.97  | 6.62 | 1  | 5  | 0.812 | 0.015 |
| F1NNF7 | Uncharacterized protein , GN=LOC100859720 PE=4 SV=1 - [F1NNF7_CHICK]                            | 46.21 | 32.57  | 8.91 | 6  | 12 | 0.811 | 0.014 |

|        |                                                                                            |       |        |      |   |    |       |       |
|--------|--------------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| E1C8A8 | Uncharacterized protein , GN=TMCO1 PE=4 SV=1 - [E1C8A8_CHICK]                              | 4.79  | 21.28  | 9.72 | 1 | 1  | 0.811 | 0.014 |
| Q5ZKG7 | Putative uncharacterized protein , GN=RCJMB04_10o24 PE=2 SV=1 - [Q5ZKG7_CHICK]             | 12.95 | 21.67  | 5.17 | 4 | 2  | 0.810 | 0.014 |
| F1NH09 | Uncharacterized protein , PE=2 SV=2 - [F1NH09_CHICK]                                       | 0.87  | 117.78 | 7.06 | 1 | 1  | 0.809 | 0.013 |
| E1C456 | Uncharacterized protein , GN=LOC100857473 PE=4 SV=2 - [E1C456_CHICK]                       | 1.63  | 69.23  | 8.97 | 1 | 1  | 0.808 | 0.013 |
| Q5ZJ74 | Iron-sulfur cluster assembly 1 homolog, mitochondrial , GN=ISCA1 PE=2 SV=1 - [ISCA1_CHICK] | 11.63 | 14.12  | 8.87 | 1 | 1  | 0.808 | 0.012 |
| B6E1W1 | Cyclin-dependent kinase 5 , GN=Cdk5 PE=2 SV=1 - [B6E1W1_CHICK]                             | 10.62 | 33.32  | 7.71 | 4 | 3  | 0.806 | 0.012 |
| R4GI40 | LDLR chaperone MESD , GN=MESDC2 PE=4 SV=1 - [R4GI40_CHICK]                                 | 5.94  | 24.55  | 7.37 | 3 | 1  | 0.805 | 0.011 |
| F1NPJ8 | Glutathione peroxidase (Fragment) , PE=2 SV=1 - [F1NPJ8_CHICK]                             | 11.76 | 24.64  | 8.38 | 1 | 2  | 0.804 | 0.011 |
| F1NWR5 | Uncharacterized protein , GN=LRCH1 PE=2 SV=2 - [F1NWR5_CHICK]                              | 2.15  | 82.60  | 5.19 | 1 | 1  | 0.802 | 0.010 |
| F1NV53 | Uncharacterized protein , GN=FBXO11 PE=4 SV=2 - [F1NV53_CHICK]                             | 1.62  | 96.21  | 6.64 | 1 | 1  | 0.800 | 0.009 |
| Q5ZLQ3 | Uncharacterized protein , GN=AAMP PE=2 SV=1 - [Q5ZLQ3_CHICK]                               | 2.6   | 45.61  | 4.46 | 1 | 1  | 0.800 | 0.009 |
| F1NKT1 | Uncharacterized protein (Fragment) , GN=GTF2A1 PE=4 SV=2 - [F1NKT1_CHICK]                  | 3     | 40.73  | 4.51 | 2 | 1  | 0.799 | 0.009 |
| F1N9Q6 | Uncharacterized protein , GN=MGMT PE=4 SV=2 - [F1N9Q6_CHICK]                               | 5.04  | 28.08  | 9.20 | 1 | 1  | 0.799 | 0.009 |
| E1BYM1 | mRNA cap guanine-N7 methyltransferase, GN=RNMT PE=3 SV=1 - [E1BYM1_CHICK]                  | 2.41  | 47.51  | 5.62 | 1 | 1  | 0.799 | 0.009 |
| E1C769 | Uncharacterized protein , GN=Gga.48669 PE=4 SV=2 - [E1C769_CHICK]                          | 9.42  | 59.87  | 6.10 | 1 | 2  | 0.797 | 0.008 |
| F1NLZ2 | Uncharacterized protein (Fragment) , GN=CHGA PE=4 SV=2 - [F1NLZ2_CHICK]                    | 7.69  | 53.44  | 4.51 | 6 | 3  | 0.797 | 0.008 |
| E1C347 | Uncharacterized protein , GN=LOC100858714 PE=4 SV=2 - [E1C347_CHICK]                       | 13.91 | 34.71  | 5.36 | 1 | 1  | 0.796 | 0.008 |
| F1P5B6 | Uncharacterized protein , GN=GNG11 PE=3 SV=2 - [F1P5B6_CHICK]                              | 6.15  | 49.49  | 8.79 | 1 | 2  | 0.796 | 0.008 |
| F1NAW4 | Uncharacterized protein , GN=MAOB PE=4 SV=2 - [F1NAW4_CHICK]                               | 41.07 | 58.54  | 8.35 | 2 | 18 | 0.796 | 0.007 |
| E1BUT1 | Uncharacterized protein , GN=ARMC8 PE=4 SV=1 - [E1BUT1_CHICK]                              | 1.63  | 75.28  | 6.65 | 1 | 1  | 0.796 | 0.007 |
| F1NVG9 | Annexin , GN=ANXA6 PE=2 SV=2 - [F1NVG9_CHICK]                                              | 25.6  | 75.24  | 5.97 | 4 | 12 | 0.794 | 0.007 |
| E1C3U6 | Uncharacterized protein , GN=COPS2 PE=4 SV=2 - [E1C3U6_CHICK]                              | 12.19 | 51.49  | 5.60 | 1 | 1  | 0.794 | 0.007 |
| F1NCG7 | Uncharacterized protein , GN=SLC35D1 PE=4 SV=2 - [F1NCG7_CHICK]                            | 5.07  | 38.82  | 9.29 | 1 | 2  | 0.794 | 0.007 |
| Q9I9P1 | TGF-beta response effector Smad3 (Fragment) , PE=2 SV=1 - [Q9I9P1_CHICK]                   | 4.15  | 35.45  | 5.69 | 8 | 1  | 0.793 | 0.007 |
| E1C586 | Uncharacterized protein , GN=TACC1 PE=2 SV=2 - [E1C586_CHICK]                              | 0.75  | 86.43  | 5.07 | 1 | 1  | 0.791 | 0.006 |
| E1C0P9 | Uncharacterized protein , GN=U2SURP PE=4 SV=2 - [E1C0P9_CHICK]                             | 1.47  | 109.63 | 8.25 | 3 | 1  | 0.786 | 0.005 |

|        |                                                                            |       |        |      |   |    |       |       |
|--------|----------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| E1BX21 | Uncharacterized protein , GN=SIN3A PE=4 SV=2 - [E1BX21_CHICK]              | 0.94  | 145.50 | 7.31 | 1 | 1  | 0.785 | 0.005 |
| F1NQZ6 | Uncharacterized protein , GN=KIAA0196 PE=4 SV=2 - [F1NQZ6_CHICK]           | 1.98  | 133.96 | 7.11 | 1 | 2  | 0.785 | 0.004 |
| F1NGW4 | Uncharacterized protein , GN=WDR5 PE=4 SV=1 - [F1NGW4_CHICK]               | 4.49  | 36.57  | 8.27 | 2 | 1  | 0.784 | 0.004 |
| F1NJH2 | Uncharacterized protein , GN=TGM4 PE=3 SV=2 - [F1NJH2_CHICK]               | 4.51  | 78.95  | 7.59 | 2 | 3  | 0.784 | 0.004 |
| Q5F4A2 | Uncharacterized protein , GN=PIK3CB PE=2 SV=1 - [Q5F4A2_CHICK]             | 1.5   | 121.94 | 6.95 | 2 | 1  | 0.781 | 0.004 |
| P20678 | Cytochrome P450 2H2 , GN=CYP2H2 PE=1 SV=1 - [CP2H2_CHICK]                  | 45.62 | 56.45  | 7.21 | 2 | 1  | 0.780 | 0.004 |
| F1N8K1 | Uncharacterized protein (Fragment) , GN=DNTTIP2 PE=4 SV=1 - [F1N8K1_CHICK] | 2.64  | 76.42  | 5.95 | 1 | 1  | 0.779 | 0.003 |
| E1C8Y2 | Uncharacterized protein , PE=4 SV=2 - [E1C8Y2_CHICK]                       | 3.32  | 36.71  | 4.83 | 1 | 1  | 0.777 | 0.003 |
| E1BXH9 | Uncharacterized protein , GN=SCN2B PE=4 SV=2 - [E1BXH9_CHICK]              | 3.72  | 23.85  | 6.98 | 1 | 1  | 0.776 | 0.003 |
| F1NA70 | Uncharacterized protein , GN=FLVCR2 PE=4 SV=2 - [F1NA70_CHICK]             | 2.1   | 66.87  | 9.76 | 1 | 1  | 0.776 | 0.003 |
| Q66VY4 | Splicing factor 3a subunit 2 , GN=SF3A2 PE=2 SV=1 - [Q66VY4_CHICK]         | 7.62  | 35.12  | 9.64 | 2 | 2  | 0.775 | 0.003 |
| F1NBV9 | Uncharacterized protein , GN=SPAG9 PE=4 SV=2 - [F1NBV9_CHICK]              | 1.93  | 148.48 | 5.22 | 1 | 2  | 0.772 | 0.002 |
| Q5ZI34 | Redox-regulatory protein FAM213A , GN=FAM213A PE=2 SV=2 - [F213A_CHICK]    | 4.02  | 24.93  | 8.82 | 2 | 1  | 0.771 | 0.002 |
| Q00649 | Heat shock protein beta-1 , GN=HSPB1 PE=2 SV=1 - [HSPB1_CHICK]             | 8.29  | 21.66  | 6.13 | 2 | 1  | 0.771 | 0.002 |
| F1NAA5 | Uncharacterized protein , GN=PGM2L1 PE=4 SV=2 - [F1NAA5_CHICK]             | 1.77  | 70.26  | 6.42 | 1 | 1  | 0.771 | 0.002 |
| Q5ZLC9 | Golgin subfamily A member 7 , GN=GOLGA7 PE=2 SV=1 - [GOGA7_CHICK]          | 10.95 | 15.75  | 7.05 | 1 | 1  | 0.768 | 0.002 |
| R4GKA6 | Collagen alpha-2(VI) chain , GN=COL6A2 PE=4 SV=1 - [R4GKA6_CHICK]          | 5.89  | 102.43 | 5.48 | 2 | 4  | 0.768 | 0.002 |
| F1NLH8 | Uncharacterized protein , GN=DNAJA4 PE=3 SV=2 - [F1NLH8_CHICK]             | 7.94  | 47.96  | 7.17 | 1 | 2  | 0.767 | 0.002 |
| E1C8H5 | Uncharacterized protein , GN=ATRX PE=4 SV=1 - [E1C8H5_CHICK]               | 0.94  | 276.09 | 7.33 | 1 | 2  | 0.766 | 0.002 |
| F1P2F0 | Collagen alpha-3(VI) chain , GN=COL6A3 PE=4 SV=1 - [F1P2F0_CHICK]          | 4.62  | 339.41 | 6.68 | 2 | 11 | 0.765 | 0.002 |
| P01038 | Cystatin , PE=1 SV=2 - [CYT_CHICK]                                         | 12.23 | 15.28  | 7.69 | 2 | 1  | 0.764 | 0.002 |
| F1NPB6 | Uncharacterized protein , GN=C6H10orf88 PE=4 SV=2 - [F1NPB6_CHICK]         | 2.76  | 47.26  | 5.36 | 1 | 1  | 0.763 | 0.001 |
| F1NC03 | Uncharacterized protein (Fragment) , GN=FBXO30 PE=4 SV=2 - [F1NC03_CHICK]  | 1.59  | 84.42  | 5.50 | 1 | 1  | 0.762 | 0.001 |
| F1N8Q9 | Uncharacterized protein , GN=SOS2 PE=4 SV=2 - [F1N8Q9_CHICK]               | 1.12  | 133.55 | 6.54 | 2 | 1  | 0.762 | 0.001 |
| E1BYZ5 | Uncharacterized protein , GN=LRR8D PE=4 SV=1 - [E1BYZ5_CHICK]              | 2.1   | 97.73  | 7.50 | 2 | 1  | 0.761 | 0.001 |
| R4GM00 | Uncharacterized protein (Fragment) , PE=4 SV=1 - [R4GM00_CHICK]            | 1.44  | 62.12  | 8.32 | 2 | 1  | 0.758 | 0.001 |

|        |                                                                                          |       |        |      |   |    |       |       |
|--------|------------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| H9KYT1 | Uncharacterized protein , GN=LOC430766 PE=4 SV=2 - [H9KYT1_CHICK]                        | 69.92 | 58.78  | 5.05 | 4 | 1  | 0.756 | 0.001 |
| P08287 | Histone H1.11L , PE=1 SV=2 - [H11L_CHICK]                                                | 30.22 | 22.51  | 10.9 | 3 | 1  | 0.755 | 0.001 |
|        |                                                                                          |       |        | 6    |   |    |       |       |
| F1NDL4 | Uncharacterized protein , GN=NID2 PE=4 SV=2 - [F1NDL4_CHICK]                             | 1.89  | 130.87 | 5.72 | 1 | 2  | 0.755 | 0.001 |
| F1P3B2 | Uncharacterized protein , GN=BRCA2 PE=4 SV=1 - [F1P3B2_CHICK]                            | 0.21  | 377.48 | 6.40 | 3 | 1  | 0.754 | 0.001 |
| E1BTI7 | Uncharacterized protein , GN=TINAG PE=3 SV=1 - [E1BTI7_CHICK]                            | 4.28  | 52.72  | 7.56 | 1 | 2  | 0.753 | 0.001 |
| Q90957 | Protein-tyrosine kinase (Fragment) , PE=2 SV=1 - [Q90957_CHICK]                          | 11.94 | 7.85   | 7.18 | 6 | 1  | 0.753 | 0.001 |
| Q8QG67 | Glutathione peroxidase , GN=GPx4 PE=2 SV=3 - [Q8QG67_CHICK]                              | 40    | 19.38  | 7.85 | 1 | 6  | 0.753 | 0.001 |
| Q7LZS1 | 12K serum protein, beta-2-m cross-reactive (Fragment) , PE=1 SV=1 - [Q7LZS1_CHICK]       | 45.71 | 3.97   | 5.02 | 1 | 1  | 0.752 | 0.001 |
| E1C4L9 | Uncharacterized protein , GN=DMAP1 PE=4 SV=2 - [E1C4L9_CHICK]                            | 2.59  | 53.27  | 9.33 | 1 | 1  | 0.749 | 0.001 |
| F1NN93 | Uncharacterized protein , GN=IQSEC3 PE=4 SV=2 - [F1NN93_CHICK]                           | 1.15  | 115.37 | 6.11 | 1 | 1  | 0.749 | 0.001 |
| F1N9G5 | Uncharacterized protein , GN=CLCN5 PE=4 SV=2 - [F1N9G5_CHICK]                            | 2.86  | 89.35  | 6.58 | 2 | 2  | 0.747 | 0.001 |
| E1C581 | Uncharacterized protein , GN=TBK1 PE=4 SV=1 - [E1C581_CHICK]                             | 1.64  | 83.97  | 6.48 | 1 | 1  | 0.744 | 0.001 |
| E1BRE9 | Decorin , GN=DCN PE=2 SV=2 - [E1BRE9_CHICK]                                              | 3.08  | 39.60  | 8.32 | 2 | 1  | 0.744 | 0.000 |
| Q8JFB1 | Putative NADH dehydrogenase 1 beta subcomplex 1, GN=NDUFB1 PE=4 SV=1 - [Q8JFB1_CHICK]    | 32.2  | 7.07   | 9.31 | 1 | 2  | 0.744 | 0.000 |
| F1P2Y8 | Uncharacterized protein (Fragment) , GN=WDR12 PE=4 SV=2 - [F1P2Y8_CHICK]                 | 3.55  | 47.34  | 5.68 | 1 | 1  | 0.743 | 0.000 |
| F1NIJ4 | Uncharacterized protein (Fragment) , GN=SEL1L3 PE=4 SV=2 - [F1NIJ4_CHICK]                | 1.1   | 125.20 | 6.18 | 1 | 1  | 0.743 | 0.000 |
| R4GG14 | Uncharacterized protein , GN=TOR1AIP1 PE=4 SV=1 - [R4GG14_CHICK]                         | 2.96  | 44.98  | 7.59 | 1 | 1  | 0.741 | 0.000 |
| F1NPU2 | Uncharacterized protein , GN=CRYL1 PE=2 SV=2 - [F1NPU2_CHICK]                            | 46.2  | 34.92  | 6.79 | 3 | 10 | 0.739 | 0.000 |
| F1NKJ7 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [F1NKJ7_CHICK]                          | 3.7   | 33.32  | 8.75 | 1 | 1  | 0.737 | 0.000 |
| E1BZT1 | Uncharacterized protein , GN=KIAA2026 PE=2 SV=2 - [E1BZT1_CHICK]                         | 0.9   | 228.76 | 9.06 | 1 | 1  | 0.734 | 0.000 |
| Q5ZKA4 | Eukaryotic translation initiation factor 3 subunit J, GN=EIF3J PE=2 SV=1 - [EIF3J_CHICK] | 3.57  | 28.71  | 4.84 | 1 | 1  | 0.733 | 0.000 |
| F1P1R9 | Uncharacterized protein , GN=EI24 PE=2 SV=2 - [F1P1R9_CHICK]                             | 2.95  | 39.03  | 9.47 | 1 | 1  | 0.731 | 0.000 |
| F1P220 | Uncharacterized protein , PE=4 SV=2 - [F1P220_CHICK]                                     | 5.88  | 37.26  | 5.45 | 1 | 1  | 0.730 | 0.000 |
| P67966 | Cysteine and glycine-rich protein 1 , GN=CSRP1 PE=1 SV=2 - [CSRP1_CHICK]                 | 5.21  | 20.37  | 8.57 | 1 | 1  | 0.728 | 0.000 |

|        |                                                                                       |       |        |      |   |   |       |       |
|--------|---------------------------------------------------------------------------------------|-------|--------|------|---|---|-------|-------|
| F1NPY6 | Uncharacterized protein (Fragment) , GN=DNAJC7 PE=2 SV=1 - [F1NPY6_CHICK]             | 4.73  | 55.44  | 6.96 | 2 | 2 | 0.728 | 0.000 |
| F1NL88 | Uncharacterized protein , GN=RTN4IP1 PE=4 SV=2 - [F1NL88_CHICK]                       | 9.77  | 42.38  | 9.51 | 1 | 3 | 0.723 | 0.000 |
| Q5ZM34 | Uncharacterized protein , GN=STK17B PE=2 SV=1 - [Q5ZM34_CHICK]                        | 3.76  | 42.27  | 5.35 | 1 | 1 | 0.723 | 0.000 |
| Q9IAI1 | BHLH/PAS transcription factor Clock , GN=CLOCK PE=2 SV=1 - [Q9IAI1_CHICK]             | 1.41  | 96.01  | 7.12 | 4 | 1 | 0.723 | 0.000 |
| R4GK38 | Uncharacterized protein , PE=4 SV=1 - [R4GK38_CHICK]                                  | 1.53  | 87.75  | 8.88 | 1 | 1 | 0.722 | 0.000 |
| E1C2J7 | Uncharacterized protein , GN=INTS4 PE=4 SV=2 - [E1C2J7_CHICK]                         | 2.69  | 108.57 | 6.84 | 1 | 2 | 0.722 | 0.000 |
| Q7ZZB3 | L23 (Mitochondrial)-related protein (Fragment) , GN=L23MRP PE=2 SV=1 - [Q7ZZB3_CHICK] | 12.96 | 12.41  | 9.95 | 1 | 1 | 0.722 | 0.000 |
| E1BTZ4 | Uncharacterized protein , GN=TMEM214 PE=4 SV=2 - [E1BTZ4_CHICK]                       | 4.56  | 75.72  | 9.33 | 1 | 2 | 0.722 | 0.000 |
| P79760 | Cytochrome P450 1A4 , GN=CYP1A4 PE=2 SV=1 - [CP1A4_CHICK]                             | 18.87 | 59.32  | 8.07 | 1 | 6 | 0.721 | 0.000 |
| E1C2V9 | Uncharacterized protein , GN=ARFGAP2 PE=4 SV=2 - [E1C2V9_CHICK]                       | 2.1   | 57.20  | 7.46 | 1 | 1 | 0.721 | 0.000 |
| O73665 | Desmin (Fragment) , PE=2 SV=1 - [O73665_CHICK]                                        | 23.66 | 51.63  | 5.38 | 2 | 3 | 0.719 | 0.000 |
| Q5ZMV3 | Protein Dr1 , GN=DR1 PE=2 SV=1 - [NC2B_CHICK]                                         | 7.39  | 19.43  | 4.75 | 1 | 1 | 0.719 | 0.000 |
| F1P0G0 | Uncharacterized protein (Fragment) , GN=UBE2G1 PE=2 SV=2 - [F1P0G0_CHICK]             | 11.61 | 17.77  | 5.16 | 2 | 1 | 0.717 | 0.000 |
| Q5ZLH5 | Uncharacterized protein , GN=RCJMB04_6c21 PE=2 SV=1 - [Q5ZLH5_CHICK]                  | 1.76  | 98.01  | 6.06 | 2 | 1 | 0.715 | 0.000 |
| F1NBW0 | Uncharacterized protein , GN=MTPAP PE=4 SV=2 - [F1NBW0_CHICK]                         | 8.27  | 63.77  | 8.98 | 1 | 4 | 0.714 | 0.000 |
| F1N9R3 | Uncharacterized protein , GN=RILP PE=4 SV=2 - [F1N9R3_CHICK]                          | 3.75  | 45.14  | 5.12 | 1 | 1 | 0.712 | 0.000 |
| F1NVD4 | Adenylosuccinate synthetase (Fragment) , GN=ADSSL1 PE=3 SV=2 - [F1NVD4_CHICK]         | 2.49  | 48.80  | 7.96 | 1 | 1 | 0.711 | 0.000 |
| Q5ZK39 | Uncharacterized protein , GN=RCJMB04_13f24 PE=2 SV=1 - [Q5ZK39_CHICK]                 | 25.19 | 13.42  | 9.10 | 1 | 1 | 0.708 | 0.000 |
| R4GG22 | Uncharacterized protein , GN=VIMP PE=4 SV=1 - [R4GG22_CHICK]                          | 17.3  | 20.61  | 9.50 | 2 | 2 | 0.707 | 0.000 |
| Q6LDG3 | Myosin light chain kinase (Fragment) , PE=1 SV=1 - [Q6LDG3_CHICK]                     | 6.6   | 23.85  | 4.84 | 4 | 1 | 0.706 | 0.000 |
| F1NYW3 | Uncharacterized protein (Fragment) , PE=2 SV=1 - [F1NYW3_CHICK]                       | 4.16  | 55.64  | 8.60 | 1 | 1 | 0.702 | 0.000 |
| P13731 | Serpin H1 , GN=SERPINH1 PE=1 SV=2 - [SERPH_CHICK]                                     | 3.7   | 45.65  | 8.72 | 1 | 1 | 0.700 | 0.000 |
| Q5ZM50 | Uncharacterized protein , GN=RCJMB04_3c8 PE=2 SV=1 - [Q5ZM50_CHICK]                   | 18.39 | 10.19  | 4.88 | 3 | 1 | 0.700 | 0.000 |
| E1BVN7 | Uncharacterized protein , GN=PIGQ PE=4 SV=1 - [E1BVN7_CHICK]                          | 1.92  | 65.61  | 8.22 | 1 | 1 | 0.697 | 0.000 |
| F1P579 | Uncharacterized protein , GN=CHCHD2 PE=2 SV=2 - [F1P579_CHICK]                        | 29.05 | 15.24  | 8.82 | 1 | 2 | 0.696 | 0.000 |
| E1BVP5 | Uncharacterized protein , GN=ASPA PE=3 SV=2 - [E1BVP5_CHICK]                          | 7.25  | 39.11  | 6.39 | 1 | 2 | 0.696 | 0.000 |

|        |                                                                                                   |       |        |      |   |   |       |       |
|--------|---------------------------------------------------------------------------------------------------|-------|--------|------|---|---|-------|-------|
| Q90576 | 450 kDa protein (Fragment) , PE=2 SV=1 - [Q90576_CHICK]                                           | 10.54 | 47.40  | 5.76 | 1 | 1 | 0.693 | 0.000 |
| P02612 | Myosin regulatory light chain 2, smooth muscle major isoform , PE=1 SV=2 - [MLRM_CHICK]           | 40.12 | 19.83  | 4.92 | 1 | 2 | 0.692 | 0.000 |
| E1BZ01 | Uncharacterized protein , PE=4 SV=2 - [E1BZ01_CHICK]                                              | 1.36  | 87.98  | 7.56 | 1 | 1 | 0.680 | 0.000 |
| F1NRI6 | Uncharacterized protein (Fragment) , GN=FAM26D PE=4 SV=2 - [F1NRI6_CHICK]                         | 1.9   | 35.71  | 6.39 | 1 | 1 | 0.679 | 0.000 |
| E1C896 | Uncharacterized protein , GN=SELK PE=4 SV=1 - [E1C896_CHICK]                                      | 15.22 | 10.15  | 11.1 | 1 | 1 | 0.678 | 0.000 |
|        |                                                                                                   |       |        | 4    |   |   |       |       |
| E1BWB7 | Uncharacterized protein , GN=Gga.3066 PE=2 SV=1 - [E1BWB7_CHICK]                                  | 3.15  | 43.20  | 5.11 | 1 | 1 | 0.675 | 0.000 |
| F1NKY0 | Uncharacterized protein (Fragment) , GN=DSCC1 PE=4 SV=1 - [F1NKY0_CHICK]                          | 5.63  | 44.16  | 5.08 | 1 | 1 | 0.673 | 0.000 |
| Q5ZJ11 | Uncharacterized protein , GN=RCJMB04_21n22 PE=2 SV=1 - [Q5ZJ11_CHICK]                             | 7.1   | 57.48  | 6.06 | 2 | 3 | 0.668 | 0.000 |
| E1BV82 | Uncharacterized protein , GN=RASSF6 PE=4 SV=2 - [E1BV82_CHICK]                                    | 2.64  | 39.76  | 8.03 | 1 | 1 | 0.668 | 0.000 |
| R4GHF1 | Uncharacterized protein (Fragment) , GN=Gga.30479 PE=4 SV=1 - [R4GHF1_CHICK]                      | 4.04  | 60.67  | 9.76 | 2 | 2 | 0.662 | 0.000 |
| Q5F3A3 | Putative uncharacterized protein , GN=RCJMB04_25f13 PE=2 SV=1 - [Q5F3A3_CHICK]                    | 1.31  | 94.25  | 7.05 | 3 | 1 | 0.661 | 0.000 |
| B3TZB8 | PNPLA8 , PE=2 SV=1 - [B3TZB8_CHICK]                                                               | 1.49  | 90.64  | 8.78 | 2 | 1 | 0.660 | 0.000 |
| E1C8H0 | Uncharacterized protein , GN=RAB4A PE=3 SV=2 - [E1C8H0_CHICK]                                     | 11.47 | 24.35  | 6.07 | 7 | 1 | 0.658 | 0.000 |
| F1NCR4 | Ubiquitin carboxyl-terminal hydrolase , PE=2 SV=2 - [F1NCR4_CHICK]                                | 1.59  | 130.21 | 5.21 | 2 | 1 | 0.656 | 0.000 |
| Q05423 | Fatty acid-binding protein, brain , GN=FABP7 PE=2 SV=2 - [FABP7_CHICK]                            | 9.85  | 14.92  | 5.91 | 1 | 1 | 0.651 | 0.000 |
| R4GH01 | Uncharacterized protein , PE=4 SV=1 - [R4GH01_CHICK]                                              | 3.23  | 47.36  | 9.73 | 1 | 1 | 0.650 | 0.000 |
| R4GMK2 | Glutathione peroxidase (Fragment) , GN=LOC100857454 PE=3 SV=1 - [R4GMK2_CHICK]                    | 8.22  | 16.93  | 8.63 | 1 | 1 | 0.649 | 0.000 |
| Q5ZMH7 | Uncharacterized protein , GN=NFYA PE=2 SV=1 - [Q5ZMH7_CHICK]                                      | 6.93  | 29.31  | 9.44 | 1 | 1 | 0.641 | 0.000 |
| F1NYZ2 | Dual-specificity mitogen-activated protein kinase kinase 2 , GN=MAP2K2 PE=4 SV=1 - [F1NYZ2_CHICK] | 9.55  | 44.02  | 6.86 | 2 | 1 | 0.626 | 0.000 |
| H9L0M7 | Uncharacterized protein , PE=4 SV=1 - [H9L0M7_CHICK]                                              | 1.24  | 60.96  | 6.67 | 1 | 1 | 0.626 | 0.000 |
| F1NLD3 | Uncharacterized protein , GN=Gga.53205 PE=2 SV=2 - [F1NLD3_CHICK]                                 | 2.13  | 59.43  | 7.91 | 2 | 1 | 0.615 | 0.000 |
| F1NZH9 | Uncharacterized protein , GN=FTSJ2 PE=3 SV=2 - [F1NZH9_CHICK]                                     | 9.02  | 27.41  | 9.58 | 1 | 1 | 0.602 | 0.000 |
| F1NFC0 | Nuclease-sensitive element-binding protein 1 (Fragment) , GN=YBX1 PE=2 SV=2 - [F1NFC0_CHICK]      | 36.8  | 31.09  | 9.98 | 6 | 4 | 0.601 | 0.000 |

|        |                                                                                     |       |        |      |   |    |       |       |
|--------|-------------------------------------------------------------------------------------|-------|--------|------|---|----|-------|-------|
| H9L0J1 | Uncharacterized protein , GN=RETSAT PE=4 SV=2 - [H9L0J1_CHICK]                      | 30.18 | 67.85  | 9.22 | 1 | 19 | 0.598 | 0.000 |
| F1P1S6 | Actin-related protein 2/3 complex subunit 5 (Fragment) , PE=3 SV=1 - [F1P1S6_CHICK] | 11.11 | 11.84  | 10.1 | 1 | 1  | 0.556 | 0.000 |
| P09653 | Tubulin beta-5 chain , PE=3 SV=1 - [TBB5_CHICK]                                     | 30.27 | 49.94  | 4.88 | 1 | 2  | 0.549 | 0.000 |
| D2XV92 | SLIT1 (Fragment) , GN=SLIT1 PE=2 SV=1 - [D2XV92_CHICK]                              | 0.93  | 165.06 | 7.23 | 1 | 1  | 0.548 | 0.000 |
| E1C5J0 | Uncharacterized protein , GN=MTTP PE=4 SV=2 - [E1C5J0_CHICK]                        | 58.45 | 99.90  | 8.25 | 1 | 1  | 0.526 | 0.000 |
| F1NYQ1 | Uncharacterized protein , GN=TRPC7 PE=4 SV=2 - [F1NYQ1_CHICK]                       | 0.65  | 88.16  | 6.96 | 1 | 1  | 0.524 | 0.000 |
| E1C593 | Uncharacterized protein , GN=XPOT PE=4 SV=1 - [E1C593_CHICK]                        | 1.46  | 109.76 | 5.26 | 1 | 1  | 0.505 | 0.000 |
| R4GH86 | Glutathione peroxidase (Fragment) , GN=LOC100857115 PE=3 SV=1 - [R4GH86_CHICK]      | 59.74 | 17.91  | 6.92 | 2 | 6  | 0.499 | 0.000 |
| E1C0Q6 | Uncharacterized protein , GN=ATM PE=2 SV=2 - [E1C0Q6_CHICK]                         | 0.29  | 349.55 | 6.98 | 1 | 1  | 0.493 | 0.000 |
| Q5W4T6 | RAD50 protein (Fragment) , GN=RAD50 PE=2 SV=1 - [Q5W4T6_CHICK]                      | 2.16  | 145.55 | 7.14 | 2 | 2  | 0.484 | 0.000 |
| Q5ZMF8 | Uncharacterized protein , GN=RCJMB04_2c19 PE=2 SV=1 - [Q5ZMF8_CHICK]                | 2     | 51.31  | 8.56 | 2 | 1  | 0.456 | 0.000 |
| B0LY48 | Calbindin-D28k , PE=2 SV=1 - [B0LY48_CHICK]                                         | 54.96 | 30.16  | 4.83 | 4 | 15 | 0.445 | 0.000 |
| E1C8I6 | Uncharacterized protein , GN=C5H14orf49 PE=4 SV=2 - [E1C8I6_CHICK]                  | 1.36  | 110.37 | 6.40 | 1 | 1  | 0.445 | 0.000 |
| R4GMG9 | Uncharacterized protein , GN=Gga.49427 PE=4 SV=1 - [R4GMG9_CHICK]                   | 12.2  | 22.63  | 4.88 | 1 | 1  | 0.442 | 0.000 |
| E1C9F0 | Uncharacterized protein , GN=DYNC2H1 PE=4 SV=2 - [E1C9F0_CHICK]                     | 0.19  | 491.69 | 6.43 | 1 | 1  | 0.438 | 0.000 |
| E1C648 | Uncharacterized protein , GN=IMPAD1 PE=4 SV=2 - [E1C648_CHICK]                      | 1.69  | 38.74  | 6.74 | 1 | 1  | 0.429 | 0.000 |
| E1C0Q3 | Uncharacterized protein , GN=CYP1B1 PE=3 SV=2 - [E1C0Q3_CHICK]                      | 1.39  | 56.02  | 9.77 | 2 | 1  | 0.422 | 0.000 |
| E1BV98 | Uncharacterized protein , GN=PANK4 PE=4 SV=2 - [E1BV98_CHICK]                       | 1.77  | 88.24  | 6.62 | 1 | 1  | 0.415 | 0.000 |
| R4GKR8 | Uncharacterized protein , GN=BOD1L PE=4 SV=1 - [R4GKR8_CHICK]                       | 0.5   | 329.29 | 4.96 | 1 | 1  | 0.411 | 0.000 |
| F1P266 | Uncharacterized protein , GN=ERCC5 PE=2 SV=2 - [F1P266_CHICK]                       | 0.45  | 126.95 | 5.06 | 2 | 1  | 0.368 | 0.000 |
| E1C2P3 | Heat shock 70 kDa protein 14 , GN=HSPA14 PE=3 SV=1 - [HSP7E_CHICK]                  | 3.76  | 54.08  | 5.30 | 2 | 1  | 0.361 | 0.000 |
| Q5ZK71 | DNA topoisomerase , GN=TOP3B PE=2 SV=1 - [Q5ZK71_CHICK]                             | 1.04  | 96.62  | 8.09 | 1 | 1  | 0.337 | 0.000 |
| E1C350 | Uncharacterized protein , GN=CZH9orf95 PE=4 SV=1 - [E1C350_CHICK]                   | 7.18  | 24.32  | 4.98 | 1 | 1  | 0.276 | 0.000 |
| E1BUJ1 | Uncharacterized protein , GN=RBM17 PE=4 SV=2 - [E1BUJ1_CHICK]                       | 3.49  | 44.77  | 5.96 | 1 | 1  | 0.248 | 0.000 |
| R4GJR0 | Uncharacterized protein , GN=LOC100858602 PE=4 SV=1 - [R4GJR0_CHICK]                | 4.23  | 24.23  | 4.73 | 1 | 1  | 0.152 | 0.000 |

Tab. S7. The list of differentially expressed proteins of in selenium deficiency and control groups at 35 day

| Accession | Description                                                                                   | Coverage | MW [kDa] | pI    | Proteins | U P | A3-B3 | p value |
|-----------|-----------------------------------------------------------------------------------------------|----------|----------|-------|----------|-----|-------|---------|
| E1C593    | Uncharacterized protein , GN=XPOT PE=4 SV=1 - [E1C593_CHICK]                                  | 1.46     | 109.76   | 5.26  | 1        | 1   | 5.003 | 0.000   |
| F1NV53    | Uncharacterized protein , GN=FBXO11 PE=4 SV=2 - [F1NV53_CHICK]                                | 1.62     | 96.21    | 6.64  | 1        | 1   | 3.710 | 0.000   |
| E1C499    | Uncharacterized protein , GN=FRMD5 PE=4 SV=2 - [E1C499_CHICK]                                 | 1.58     | 64.60    | 8.60  | 1        | 1   | 3.431 | 0.000   |
| B5BSS1    | Transporter associated with antigen processing 1 , GN=TAP1 PE=3 SV=1 - [B5BSS1_CHICK]         | 21.10    | 62.74    | 8.32  | 2        | 1   | 3.087 | 0.000   |
| E1BZ01    | Uncharacterized protein , PE=4 SV=2 - [E1BZ01_CHICK]                                          | 1.36     | 87.98    | 7.56  | 1        | 1   | 2.937 | 0.000   |
| E1C907    | Uncharacterized protein , GN=LOC100858706 PE=3 SV=1 - [E1C907_CHICK]                          | 5.15     | 14.83    | 10.39 | 1        | 1   | 2.631 | 0.000   |
| Q9DEF5    | 2',5'-oligo adenylate synthetase A , GN=OAS*A PE=2 SV=1 - [Q9DEF5_CHICK]                      | 33.66    | 57.50    | 8.47  | 6        | 1   | 2.575 | 0.000   |
| R4GLP1    | Uncharacterized protein , GN=LOC100858997 PE=4 SV=1 - [R4GLP1_CHICK]                          | 5.56     | 22.40    | 9.03  | 2        | 1   | 2.569 | 0.000   |
| R4GKR8    | Uncharacterized protein , GN=BOD1L PE=4 SV=1 - [R4GKR8_CHICK]                                 | 0.50     | 329.29   | 4.96  | 1        | 1   | 2.412 | 0.000   |
| E1C9F0    | Uncharacterized protein , GN=DYNC2H1 PE=4 SV=2 - [E1C9F0_CHICK]                               | 0.19     | 491.69   | 6.43  | 1        | 1   | 2.298 | 0.000   |
| E1BRP4    | Uncharacterized protein , GN=FAM160B1 PE=4 SV=2 - [E1BRP4_CHICK]                              | 2.32     | 88.13    | 5.30  | 1        | 1   | 2.237 | 0.000   |
| E1BUT1    | Uncharacterized protein , GN=ARMC8 PE=4 SV=1 - [E1BUT1_CHICK]                                 | 1.63     | 75.28    | 6.65  | 1        | 1   | 2.146 | 0.000   |
| R4GJU3    | Uncharacterized protein , GN=LOC100859277 PE=3 SV=1 - [R4GJU3_CHICK]                          | 3.93     | 25.98    | 5.15  | 1        | 1   | 2.073 | 0.000   |
| F1NKJ7    | Uncharacterized protein (Fragment) , PE=4 SV=2 - [F1NKJ7_CHICK]                               | 3.70     | 33.32    | 8.75  | 1        | 1   | 2.066 | 0.000   |
| Q90957    | Protein-tyrosine kinase (Fragment) , PE=2 SV=1 - [Q90957_CHICK]                               | 11.94    | 7.85     | 7.18  | 6        | 1   | 2.056 | 0.000   |
| E1C3P5    | Uncharacterized protein , GN=TMTC3 PE=4 SV=2 - [E1C3P5_CHICK]                                 | 2.98     | 106.00   | 8.78  | 4        | 3   | 1.978 | 0.000   |
| B4X9P5    | Microsomal glutathione S-transferase 1 , GN=MGST1 PE=2 SV=1 - [B4X9P5_CHICK]                  | 30.97    | 17.23    | 9.66  | 1        | 1   | 1.966 | 0.000   |
| E1BR24    | Uncharacterized protein , GN=AIFM2 PE=4 SV=1 - [E1BR24_CHICK]                                 | 6.97     | 40.59    | 7.31  | 1        | 2   | 1.904 | 0.000   |
| E1C0Q3    | Uncharacterized protein , GN=CYP1B1 PE=3 SV=2 - [E1C0Q3_CHICK]                                | 1.39     | 56.02    | 9.77  | 2        | 1   | 1.853 | 0.000   |
| Q5ZMC9    | Nuclear distribution protein nudE homolog 1 , GN=NDE1 PE=2 SV=1 - [NDE1_CHICK]                | 3.51     | 39.54    | 5.11  | 1        | 1   | 1.844 | 0.000   |
| E1C8I6    | Uncharacterized protein , GN=C5H14orf49 PE=4 SV=2 - [E1C8I6_CHICK]                            | 1.36     | 110.37   | 6.40  | 1        | 1   | 1.834 | 0.000   |
| R4GH01    | Uncharacterized protein , PE=4 SV=1 - [R4GH01_CHICK]                                          | 3.23     | 47.36    | 9.73  | 1        | 1   | 1.693 | 0.000   |
| F1NLD4    | Inhibitor of nuclear factor kappa-B kinase subunit alpha , GN=CHUK PE=4 SV=1 - [F1NLD4_CHICK] | 0.92     | 86.06    | 6.32  | 2        | 1   | 1.687 | 0.000   |



|        |                                                                                      |       |        |      |    |    |       |       |
|--------|--------------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| O98229 | MHC class I B-F heavy chain (Fragment) , GN=B-F PE=2 SV=1 - [O98229_CHICK]           | 18.10 | 26.53  | 5.67 | 39 | 1  | 1.685 | 0.000 |
| E1BZP9 | Translation initiation factor IF-2 , GN=MTIF2 PE=4 SV=2 - [E1BZP9_CHICK]             | 3.72  | 81.16  | 8.57 | 1  | 2  | 1.651 | 0.000 |
| E1BUB6 | Glutathione S-transferase theta-1 (Fragment) , GN=GSTT1 PE=3 SV=2 - [E1BUB6_CHICK]   | 39.62 | 29.88  | 8.35 | 1  | 9  | 1.596 | 0.000 |
| Q8QFT4 | Cytochrome P-450 , GN=CYP2C45 PE=2 SV=1 - [Q8QFT4_CHICK]                             | 28.95 | 55.70  | 8.48 | 3  | 10 | 1.573 | 0.000 |
| R4GLM0 | Uncharacterized protein , PE=4 SV=1 - [R4GLM0_CHICK]                                 | 3.23  | 33.75  | 6.55 | 1  | 1  | 1.568 | 0.000 |
| Q1G1I6 | PACSIN 3 , GN=PACSIN3 PE=2 SV=1 - [Q1G1I6_CHICK]                                     | 2.06  | 50.71  | 6.00 | 1  | 1  | 1.563 | 0.000 |
| E1BTZ4 | Uncharacterized protein , GN=TMEM214 PE=4 SV=2 - [E1BTZ4_CHICK]                      | 4.56  | 75.72  | 9.33 | 1  | 2  | 1.561 | 0.000 |
| E1BQI2 | Uncharacterized protein , GN=RAP2A PE=4 SV=1 - [E1BQI2_CHICK]                        | 18.03 | 20.64  | 4.82 | 1  | 1  | 1.529 | 0.000 |
| F1NGA2 | ATP synthase subunit alpha , GN=ATP5A1W PE=2 SV=2 - [F1NGA2_CHICK]                   | 59.13 | 59.99  | 8.97 | 6  | 1  | 1.526 | 0.000 |
| F1NV65 | Uncharacterized protein , GN=DMXL1 PE=2 SV=2 - [F1NV65_CHICK]                        | 0.36  | 336.42 | 6.43 | 1  | 1  | 1.506 | 0.000 |
| Q98953 | Protein S100-A6 , GN=S100A6 PE=3 SV=1 - [S10A6_CHICK]                                | 33.70 | 10.27  | 5.01 | 1  | 3  | 1.504 | 0.000 |
| E1BW21 | Uncharacterized protein , GN=MYOF PE=2 SV=2 - [E1BW21_CHICK]                         | 0.34  | 234.03 | 5.81 | 1  | 1  | 1.501 | 0.000 |
| E1C111 | Uncharacterized protein , GN=PDZK1IP1 PE=4 SV=1 - [E1C111_CHICK]                     | 10.43 | 12.57  | 5.14 | 1  | 1  | 1.488 | 0.000 |
| F1P5B6 | Uncharacterized protein , GN=GNG11 PE=3 SV=2 - [F1P5B6_CHICK]                        | 6.15  | 49.49  | 8.79 | 1  | 2  | 1.480 | 0.000 |
| F1NTY0 | Zinc finger CCCH domain-containing protein 14 , GN=ZC3H14 PE=2 SV=2 - [F1NTY0_CHICK] | 1.37  | 81.59  | 7.36 | 2  | 1  | 1.472 | 0.000 |
| E1C2F4 | Uncharacterized protein , GN=LOC422305 PE=4 SV=1 - [E1C2F4_CHICK]                    | 56.25 | 24.22  | 7.93 | 1  | 7  | 1.461 | 0.000 |
| F1NV84 | Uncharacterized protein , GN=LOC100858361 PE=4 SV=2 - [F1NV84_CHICK]                 | 9.59  | 42.01  | 8.87 | 1  | 3  | 1.444 | 0.000 |
| E1BQQ5 | Uncharacterized protein , GN=DCTN4 PE=4 SV=2 - [E1BQQ5_CHICK]                        | 7.71  | 53.21  | 7.25 | 1  | 2  | 1.442 | 0.001 |
| Q5ZI61 | Uncharacterized protein , GN=RCJMB04_30a22 PE=2 SV=1 - [Q5ZI61_CHICK]                | 3.75  | 76.59  | 7.09 | 2  | 2  | 1.442 | 0.001 |
| F1P4X3 | Uncharacterized protein (Fragment) , GN=FUCA1 PE=4 SV=1 - [F1P4X3_CHICK]             | 2.38  | 52.43  | 6.37 | 1  | 1  | 1.442 | 0.001 |
| F1NUW8 | Uncharacterized protein , GN=NOA1 PE=4 SV=2 - [F1NUW8_CHICK]                         | 1.72  | 69.87  | 9.20 | 1  | 1  | 1.439 | 0.001 |
| F1NX74 | Uncharacterized protein , GN=KIAA0930 PE=4 SV=2 - [F1NX74_CHICK]                     | 2.12  | 48.27  | 7.28 | 1  | 1  | 1.439 | 0.001 |
| F1N9Q6 | Uncharacterized protein , GN=MGMT PE=4 SV=2 - [F1N9Q6_CHICK]                         | 5.04  | 28.08  | 9.20 | 1  | 1  | 1.430 | 0.001 |
| E1BQ84 | Uncharacterized protein , GN=CPNE2 PE=2 SV=2 - [E1BQ84_CHICK]                        | 8.49  | 42.12  | 5.80 | 2  | 2  | 1.426 | 0.001 |
| F1NNN8 | Uncharacterized protein , GN=ATP6V0A2 PE=4 SV=1 - [F1NNN8_CHICK]                     | 1.91  | 96.28  | 6.57 | 4  | 1  | 1.420 | 0.001 |
| P20135 | Glutathione S-transferase theta-1 , GN=GSTT1 PE=1 SV=3 - [GSTT1_CHICK]               | 18.77 | 29.80  | 7.11 | 1  | 3  | 1.416 | 0.001 |

|        |                                                                               |       |        |       |   |   |       |       |
|--------|-------------------------------------------------------------------------------|-------|--------|-------|---|---|-------|-------|
| F1NSH8 | Adenosylhomocysteinase , GN=AHCYL2 PE=3 SV=2 - [F1NSH8_CHICK]                 | 23.08 | 56.66  | 7.99  | 2 | 3 | 1.415 | 0.001 |
| Q5ZM18 | Nucleolar GTP-binding protein 1 , GN=GTPBP4 PE=2 SV=1 - [Q5ZM18_CHICK]        | 3.17  | 73.89  | 9.52  | 1 | 2 | 1.412 | 0.001 |
| E1BZT1 | Uncharacterized protein , GN=KIAA2026 PE=2 SV=2 - [E1BZT1_CHICK]              | 0.90  | 228.76 | 9.06  | 1 | 1 | 1.411 | 0.001 |
| F1NAB5 | Uncharacterized protein , GN=RBP5 PE=4 SV=2 - [F1NAB5_CHICK]                  | 13.33 | 15.88  | 5.86  | 3 | 1 | 1.411 | 0.001 |
| P67883 | 60S ribosomal protein L30 , GN=RPL30 PE=3 SV=2 - [RL30_CHICK]                 | 45.22 | 12.81  | 9.63  | 2 | 5 | 1.410 | 0.001 |
| E1C2K6 | Uncharacterized protein , PE=4 SV=2 - [E1C2K6_CHICK]                          | 0.83  | 172.65 | 5.15  | 1 | 1 | 1.409 | 0.001 |
| E1C8H0 | Uncharacterized protein , GN=RAB4A PE=3 SV=2 - [E1C8H0_CHICK]                 | 11.47 | 24.35  | 6.07  | 7 | 1 | 1.397 | 0.001 |
| F1NQ35 | Uncharacterized protein (Fragment) , GN=RPL35A PE=4 SV=2 - [F1NQ35_CHICK]     | 23.94 | 15.73  | 11.63 | 1 | 4 | 1.395 | 0.002 |
| F1P0G0 | Uncharacterized protein (Fragment) , GN=UBE2G1 PE=2 SV=2 - [F1P0G0_CHICK]     | 11.61 | 17.77  | 5.16  | 2 | 1 | 1.387 | 0.002 |
| P01875 | Ig mu chain C region , PE=2 SV=2 - [IGHM_CHICK]                               | 6.50  | 48.14  | 6.42  | 1 | 2 | 1.382 | 0.002 |
| Q5ZLR4 | Epithelial splicing regulatory protein 2 , GN=ESRP2 PE=2 SV=1 - [ESRP2_CHICK] | 4.14  | 76.90  | 6.60  | 2 | 3 | 1.379 | 0.002 |
| F1NCB5 | Uncharacterized protein , GN=CEBPZ PE=4 SV=2 - [F1NCB5_CHICK]                 | 1.96  | 122.28 | 6.06  | 3 | 2 | 1.375 | 0.002 |
| E1BQN6 | Uncharacterized protein , GN=PRKCZ PE=4 SV=1 - [E1BQN6_CHICK]                 | 4.56  | 68.21  | 5.47  | 1 | 2 | 1.374 | 0.003 |
| F1NCR4 | Ubiquitin carboxyl-terminal hydrolase , PE=2 SV=2 - [F1NCR4_CHICK]            | 1.59  | 130.21 | 5.21  | 2 | 1 | 1.372 | 0.003 |
| F1NWR5 | Uncharacterized protein , GN=LRCH1 PE=2 SV=2 - [F1NWR5_CHICK]                 | 2.15  | 82.60  | 5.19  | 1 | 1 | 1.369 | 0.003 |
| E1C648 | Uncharacterized protein , GN=IMPAD1 PE=4 SV=2 - [E1C648_CHICK]                | 1.69  | 38.74  | 6.74  | 1 | 1 | 1.362 | 0.003 |
| R4GH05 | Uncharacterized protein , GN=LOC100857383 PE=4 SV=1 - [R4GH05_CHICK]          | 6.34  | 16.84  | 9.01  | 1 | 1 | 1.359 | 0.004 |
| Q5ZMH7 | Uncharacterized protein , GN=NFYA PE=2 SV=1 - [Q5ZMH7_CHICK]                  | 6.93  | 29.31  | 9.44  | 1 | 1 | 1.354 | 0.004 |
| F1NYW3 | Uncharacterized protein (Fragment) , PE=2 SV=1 - [F1NYW3_CHICK]               | 4.16  | 55.64  | 8.60  | 1 | 1 | 1.353 | 0.004 |
| F1NZH7 | Uncharacterized protein , GN=LOC422993 PE=4 SV=2 - [F1NZH7_CHICK]             | 9.80  | 11.34  | 8.78  | 2 | 1 | 1.348 | 0.005 |
| F1NG69 | Uncharacterized protein , GN=HSD17B7 PE=4 SV=2 - [F1NG69_CHICK]               | 6.93  | 37.33  | 7.71  | 1 | 2 | 1.347 | 0.005 |
| E1BZF9 | Uncharacterized protein , PE=4 SV=2 - [E1BZF9_CHICK]                          | 12.41 | 64.73  | 6.99  | 1 | 5 | 1.347 | 0.005 |
| Q5ZHR7 | Uncharacterized protein , GN=CLTA PE=2 SV=1 - [Q5ZHR7_CHICK]                  | 21.86 | 23.75  | 4.50  | 1 | 2 | 1.345 | 0.005 |
| P01038 | Cystatin , PE=1 SV=2 - [CYT_CHICK]                                            | 12.23 | 15.28  | 7.69  | 2 | 1 | 1.345 | 0.005 |
| Q8UUR1 | Clathrin heavy chain (Fragment) , GN=CHC PE=2 SV=1 - [Q8UUR1_CHICK]           | 37.37 | 191.48 | 5.78  | 7 | 1 | 1.343 | 0.005 |
| E1C2F6 | Uncharacterized protein , GN=FRK PE=4 SV=2 - [E1C2F6_CHICK]                   | 4.88  | 60.60  | 6.48  | 1 | 2 | 1.342 | 0.005 |

|        |                                                                                                     |       |        |      |    |    |       |       |
|--------|-----------------------------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| Q5ZM60 | Cell cycle progression protein 1 , GN=CCPG1 PE=2 SV=1 - [CCPG1_CHICK]                               | 1.50  | 93.43  | 6.32 | 1  | 1  | 1.342 | 0.005 |
| F1NWT4 | Uncharacterized protein (Fragment) , GN=LRRCL16A PE=4 SV=2 - [F1NWT4_CHICK]                         | 1.82  | 145.07 | 8.09 | 1  | 2  | 1.342 | 0.005 |
| F1P511 | Uncharacterized protein , GN=KIAA1429 PE=4 SV=2 - [F1P511_CHICK]                                    | 1.98  | 202.80 | 4.94 | 1  | 2  | 1.341 | 0.005 |
| Q07816 | Bcl-2-like protein 1 , GN=BCL2L1 PE=2 SV=2 - [B2CL1_CHICK]                                          | 6.11  | 25.72  | 5.21 | 1  | 1  | 1.336 | 0.006 |
| F1NZ67 | Uncharacterized protein (Fragment) , GN=C4H4orf27 PE=4 SV=2 - [F1NZ67_CHICK]                        | 4.57  | 39.69  | 7.91 | 6  | 1  | 1.331 | 0.007 |
| Q5ZK62 | Arf-GAP with coiled-coil, GN=ACAP2 PE=2 SV=1 - [ACAP2_CHICK]                                        | 2.82  | 88.40  | 6.77 | 2  | 2  | 1.329 | 0.007 |
| Q5ZJ25 | Vacuolar protein sorting-associated protein 51 homolog , GN=VPS51 PE=2 SV=1 - [VPS51_CHICK]         | 7.62  | 86.01  | 6.42 | 1  | 4  | 1.328 | 0.007 |
| F1NIM0 | Transmembrane channel-like protein , GN=TMC7 PE=2 SV=2 - [F1NIM0_CHICK]                             | 2.72  | 84.28  | 8.69 | 2  | 2  | 1.327 | 0.007 |
| Q6URH5 | Gap junction protein , GN=GJB1 PE=2 SV=1 - [Q6URH5_CHICK]                                           | 3.94  | 31.77  | 8.50 | 1  | 1  | 1.327 | 0.007 |
| F1NF07 | Uncharacterized protein , GN=MAL2 PE=4 SV=1 - [F1NF07_CHICK]                                        | 6.18  | 19.85  | 8.50 | 2  | 1  | 1.326 | 0.008 |
| P09653 | Tubulin beta-5 chain , PE=3 SV=1 - [TBB5_CHICK]                                                     | 30.27 | 49.94  | 4.88 | 1  | 2  | 1.325 | 0.008 |
| F1P1X9 | Casein kinase I isoform epsilon , GN=DBT PE=3 SV=1 - [F1P1X9_CHICK]                                 | 3.04  | 54.06  | 8.56 | 2  | 1  | 1.324 | 0.008 |
| H9L0Z3 | Uncharacterized protein , PE=4 SV=2 - [H9L0Z3_CHICK]                                                | 1.31  | 77.12  | 9.47 | 1  | 1  | 1.321 | 0.008 |
| F1NDW5 | Uncharacterized protein , GN=NUP214 PE=4 SV=2 - [F1NDW5_CHICK]                                      | 0.72  | 211.44 | 7.53 | 1  | 1  | 1.321 | 0.008 |
| Q5ZL13 | Nucleoside diphosphate-linked moiety X motif 19, mitochondrial, GN=NUDT19 PE=2 SV=1 - [NUD19_CHICK] | 4.50  | 42.10  | 6.86 | 1  | 1  | 1.320 | 0.009 |
| F1NT18 | Uncharacterized protein , GN=CYP3A7 PE=2 SV=1 - [F1NT18_CHICK]                                      | 42.72 | 58.21  | 8.82 | 2  | 19 | 1.320 | 0.009 |
| E1BVP2 | Uncharacterized protein , GN=PLD1 PE=4 SV=2 - [E1BVP2_CHICK]                                        | 2.31  | 118.92 | 8.98 | 1  | 2  | 1.319 | 0.009 |
| F1NWK3 | Probable lysosomal cobalamin transporter , GN=LMBRD1 PE=2 SV=2 - [F1NWK3_CHICK]                     | 2.41  | 61.66  | 6.96 | 2  | 1  | 1.319 | 0.009 |
| F1P332 | Uncharacterized protein , GN=LOC429115 PE=4 SV=1 - [F1P332_CHICK]                                   | 2.15  | 65.80  | 7.46 | 2  | 1  | 1.319 | 0.009 |
| Q31406 | B-G protein , GN=B-G PE=4 SV=1 - [Q31406_CHICK]                                                     | 5.38  | 41.90  | 5.97 | 1  | 2  | 1.317 | 0.009 |
| E1C947 | Uncharacterized protein , GN=GOLGA5 PE=4 SV=1 - [E1C947_CHICK]                                      | 3.27  | 82.84  | 5.97 | 1  | 2  | 1.316 | 0.009 |
| F1NYZ2 | Dual-specificity mitogen-activated protein kinase kinase 2 , GN=MAP2K2 PE=4 SV=1 - [F1NYZ2_CHICK]   | 9.55  | 44.02  | 6.86 | 2  | 1  | 1.311 | 0.010 |
| R4GJC4 | Uncharacterized protein , GN=CMPPK2 PE=3 SV=1 - [R4GJC4_CHICK]                                      | 31.23 | 27.96  | 6.38 | 1  | 7  | 1.310 | 0.010 |
| Q6K1L7 | Probable RNA-binding protein EIF1AD , GN=eif1ad PE=2 SV=1 - [EIF1A_CHICK]                           | 7.45  | 21.22  | 4.79 | 1  | 1  | 1.309 | 0.011 |
| A5HUI9 | BG antigen (Fragment) , GN=BG3 PE=4 SV=1 - [A5HUI9_CHICK]                                           | 30.60 | 50.63  | 4.89 | 18 | 5  | 1.306 | 0.011 |

|        |                                                                                                   |       |        |      |   |   |       |       |
|--------|---------------------------------------------------------------------------------------------------|-------|--------|------|---|---|-------|-------|
| F1NXX9 | Uncharacterized protein (Fragment) , GN=BPI PE=4 SV=2 - [F1NXX9_CHICK]                            | 2.27  | 53.12  | 9.14 | 1 | 1 | 1.302 | 0.012 |
| R4GKX1 | Uncharacterized protein , GN=LOC772271 PE=4 SV=1 - [R4GKX1_CHICK]                                 | 57.28 | 35.79  | 7.11 | 1 | 1 | 1.302 | 0.012 |
| F1NFI4 | Uncharacterized protein (Fragment) , GN=IL17F PE=4 SV=1 - [F1NFI4_CHICK]                          | 10.63 | 18.04  | 8.50 | 2 | 1 | 1.301 | 0.013 |
| H9KYT1 | Uncharacterized protein , GN=LOC430766 PE=4 SV=2 - [H9KYT1_CHICK]                                 | 69.92 | 58.78  | 5.05 | 4 | 1 | 1.300 | 0.013 |
| F1NZC6 | Phosphoribosyl pyrophosphate synthase-associated protein 2, GN=PRPSAP2 PE=4 SV=1 - [F1NZC6_CHICK] | 9.76  | 40.72  | 7.17 | 2 | 2 | 1.299 | 0.013 |
| P79760 | Cytochrome P450 1A4 , GN=CYP1A4 PE=2 SV=1 - [CP1A4_CHICK]                                         | 18.87 | 59.32  | 8.07 | 1 | 6 | 1.299 | 0.013 |
| E1BYH8 | Uncharacterized protein (Fragment) , GN=LOC418544 PE=4 SV=2 - [E1BYH8_CHICK]                      | 10.30 | 18.50  | 6.79 | 1 | 1 | 1.297 | 0.014 |
| Q5ZKD0 | Uncharacterized protein , GN=LPGAT1 PE=2 SV=1 - [Q5ZKD0_CHICK]                                    | 10.00 | 42.61  | 8.54 | 1 | 3 | 1.296 | 0.014 |
| Q5ZKU5 | Ras-related protein Rab-14 , GN=RAB14 PE=2 SV=3 - [RAB14_CHICK]                                   | 37.67 | 23.88  | 6.21 | 7 | 6 | 1.296 | 0.014 |
| Q6LDG3 | Myosin light chain kinase (Fragment) , PE=1 SV=1 - [Q6LDG3_CHICK]                                 | 6.60  | 23.85  | 4.84 | 4 | 1 | 1.295 | 0.014 |
| F1NSJ2 | Uncharacterized protein , GN=ACOT7 PE=4 SV=2 - [F1NSJ2_CHICK]                                     | 13.10 | 43.68  | 8.97 | 1 | 4 | 1.295 | 0.014 |
| Q5ZKI1 | Uncharacterized protein , GN=CLIC2 PE=2 SV=1 - [Q5ZKI1_CHICK]                                     | 8.61  | 28.12  | 5.57 | 1 | 1 | 1.295 | 0.014 |
| E1C2P3 | Heat shock 70 kDa protein 14 , GN=HSPA14 PE=3 SV=1 - [HSP7E_CHICK]                                | 3.76  | 54.08  | 5.30 | 2 | 1 | 1.294 | 0.015 |
| E1BT44 | Uncharacterized protein , GN=GLA PE=4 SV=2 - [E1BT44_CHICK]                                       | 4.16  | 45.91  | 5.58 | 1 | 1 | 1.293 | 0.015 |
| E1BQK9 | Uncharacterized protein , GN=CUL4B PE=3 SV=2 - [E1BQK9_CHICK]                                     | 2.94  | 101.32 | 7.91 | 1 | 2 | 1.292 | 0.015 |
| E1BS87 | Uncharacterized protein , GN=EXOC1 PE=4 SV=2 - [E1BS87_CHICK]                                     | 1.25  | 100.47 | 6.49 | 1 | 1 | 1.291 | 0.015 |
| E1C345 | Uncharacterized protein , GN=TM4SF4 PE=4 SV=1 - [E1C345_CHICK]                                    | 10.45 | 21.20  | 6.24 | 1 | 2 | 1.287 | 0.017 |
| F1NLD7 | Uncharacterized protein , GN=EIF2AK2 PE=4 SV=1 - [F1NLD7_CHICK]                                   | 8.55  | 62.28  | 8.41 | 2 | 3 | 1.286 | 0.017 |
| E1BSV7 | Uncharacterized protein , GN=YKT6 PE=4 SV=1 - [E1BSV7_CHICK]                                      | 8.59  | 22.41  | 5.71 | 1 | 1 | 1.285 | 0.017 |
| F1NCA4 | RNA binding protein fox-1 homolog , GN=RBFOX2 PE=3 SV=2 - [F1NCA4_CHICK]                          | 3.98  | 40.03  | 8.56 | 2 | 1 | 1.285 | 0.017 |
| B9VMA9 | Sodium vitamin C co-transporter 2 , GN=SVCT2 PE=2 SV=1 - [B9VMA9_CHICK]                           | 1.52  | 71.52  | 7.28 | 1 | 1 | 1.285 | 0.017 |
| F1NZH1 | Uncharacterized protein , GN=SLITRK6 PE=4 SV=2 - [F1NZH1_CHICK]                                   | 1.79  | 94.54  | 6.37 | 1 | 1 | 1.284 | 0.018 |
| D5LPR1 | Fascin , GN=FSCN1 PE=2 SV=1 - [D5LPR1_CHICK]                                                      | 9.80  | 54.14  | 7.20 | 1 | 3 | 1.283 | 0.018 |
| R4GKS2 | Uncharacterized protein (Fragment) , GN=LOC100858471 PE=4 SV=1 - [R4GKS2_CHICK]                   | 7.48  | 33.07  | 8.91 | 1 | 2 | 1.283 | 0.018 |
| F1NLW2 | Uncharacterized protein , GN=GTPBP1 PE=2 SV=2 - [F1NLW2_CHICK]                                    | 4.20  | 72.02  | 8.40 | 2 | 2 | 1.283 | 0.018 |

|        |                                                                                            |       |        |       |    |    |       |       |
|--------|--------------------------------------------------------------------------------------------|-------|--------|-------|----|----|-------|-------|
| E1BYF1 | Uncharacterized protein , GN=CTH PE=3 SV=1 - [E1BYF1_CHICK]                                | 2.76  | 43.87  | 7.25  | 1  | 1  | 1.282 | 0.019 |
| F1NT11 | Uncharacterized protein (Fragment) , GN=Gga.17875 PE=2 SV=2 - [F1NT11_CHICK]               | 0.88  | 148.57 | 8.13  | 1  | 1  | 1.280 | 0.019 |
| Q5ZLB0 | Uncharacterized protein , GN=DDX47 PE=2 SV=1 - [Q5ZLB0_CHICK]                              | 3.53  | 50.21  | 9.26  | 1  | 1  | 1.279 | 0.020 |
| H9L385 | Hemopexin (Fragment) , GN=HPX PE=4 SV=2 - [H9L385_CHICK]                                   | 23.28 | 45.40  | 5.34  | 2  | 6  | 1.279 | 0.020 |
| E1C898 | Uncharacterized protein , GN=ANKS1A PE=4 SV=2 - [E1C898_CHICK]                             | 1.09  | 128.96 | 6.35  | 1  | 1  | 1.278 | 0.020 |
| F1P0U2 | Uncharacterized protein , GN=PIK3R6 PE=4 SV=2 - [F1P0U2_CHICK]                             | 1.44  | 84.98  | 7.31  | 1  | 1  | 1.278 | 0.020 |
| E1BTX8 | Caldesmon , GN=CAD PE=3 SV=2 - [E1BTX8_CHICK]                                              | 3.38  | 200.74 | 6.30  | 1  | 5  | 1.277 | 0.021 |
| F1NYE6 | Phosphatidate cytidyltransferase , GN=CDS1 PE=3 SV=2 - [F1NYE6_CHICK]                      | 3.30  | 52.71  | 7.28  | 1  | 1  | 1.277 | 0.021 |
| F1P010 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [F1P010_CHICK]                            | 39.29 | 19.69  | 8.43  | 1  | 6  | 1.276 | 0.021 |
| H9KZU2 | Uncharacterized protein , GN=ARHGAP35 PE=4 SV=2 - [H9KZU2_CHICK]                           | 2.85  | 179.75 | 6.51  | 1  | 3  | 1.276 | 0.021 |
| E1BUH9 | Uncharacterized protein , GN=LOC100858486 PE=3 SV=2 - [E1BUH9_CHICK]                       | 5.01  | 52.03  | 7.23  | 1  | 2  | 1.275 | 0.021 |
| E1BVW0 | Uncharacterized protein , GN=CSNK1D PE=4 SV=2 - [E1BVW0_CHICK]                             | 2.93  | 46.73  | 9.63  | 3  | 1  | 1.273 | 0.022 |
| Q5ZIM5 | Methionine aminopeptidase 1 , GN=METAP1 PE=2 SV=1 - [MAP1_CHICK]                           | 5.97  | 43.09  | 7.46  | 3  | 2  | 1.272 | 0.023 |
| F1NED1 | Uncharacterized protein , GN=LSS PE=4 SV=2 - [F1NED1_CHICK]                                | 5.92  | 76.92  | 6.25  | 2  | 4  | 1.270 | 0.024 |
| F1NYG7 | Uncharacterized protein , GN=HACL1 PE=3 SV=2 - [F1NYG7_CHICK]                              | 12.68 | 61.97  | 7.21  | 1  | 5  | 1.269 | 0.024 |
| Q90Z16 | Optineurin , GN=OPTN PE=1 SV=1 - [OPTN_CHICK]                                              | 4.86  | 64.05  | 5.00  | 1  | 2  | 1.267 | 0.025 |
| Q800L1 | Surfeit locus protein 1 , GN=SURF1 PE=3 SV=1 - [SURF1_CHICK]                               | 9.71  | 35.19  | 9.74  | 1  | 2  | 1.267 | 0.025 |
| Q9I993 | Beta,beta-carotene 15,15'-monooxygenase , GN=BCMO1 PE=1 SV=1 - [BCDO1_CHICK]               | 34.22 | 60.35  | 6.46  | 1  | 15 | 1.265 | 0.026 |
| R4GMF6 | Vitamin D3 receptor , GN=VDR PE=3 SV=1 - [R4GMF6_CHICK]                                    | 5.48  | 43.75  | 6.29  | 3  | 2  | 1.265 | 0.026 |
| B5BV17 | Tonicity-responsive enhancer binding protein TonEBP , GN=TonEBP PE=2 SV=2 - [B5BV17_CHICK] | 1.32  | 155.15 | 5.34  | 2  | 1  | 1.265 | 0.026 |
| N0DLW6 | ATP synthase subunit a (Fragment) , GN=ATP6 PE=3 SV=1 - [N0DLW6_CHICK]                     | 13.75 | 17.42  | 11.47 | 12 | 2  | 1.264 | 0.027 |
| F1NUQ3 | Heart fatty acid binding protein , GN=FABP3 PE=2 SV=2 - [F1NUQ3_CHICK]                     | 18.80 | 14.83  | 6.33  | 5  | 2  | 1.263 | 0.027 |
| F1P5P8 | Uncharacterized protein , GN=ASB13 PE=2 SV=2 - [F1P5P8_CHICK]                              | 4.32  | 29.99  | 7.62  | 1  | 1  | 1.261 | 0.028 |
| F1NSW5 | Uncharacterized protein , GN=C2H18orf8 PE=4 SV=2 - [F1NSW5_CHICK]                          | 3.19  | 77.22  | 7.53  | 1  | 2  | 1.260 | 0.029 |
| F1NV37 | Uncharacterized protein (Fragment) , GN=NT5C1B PE=4 SV=1 - [F1NV37_CHICK]                  | 5.26  | 40.24  | 5.86  | 1  | 2  | 1.260 | 0.029 |
| F1NZK8 | Uncharacterized protein , GN=EFTUD1 PE=2 SV=1 - [F1NZK8_CHICK]                             | 2.35  | 80.71  | 5.83  | 2  | 2  | 1.258 | 0.030 |

|        |                                                                                  |       |        |      |    |    |       |       |
|--------|----------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| R4GK89 | Uncharacterized protein , GN=ACPL2 PE=4 SV=1 - [R4GK89_CHICK]                    | 2.09  | 55.69  | 9.20 | 1  | 1  | 1.254 | 0.032 |
| F1NJ94 | Uncharacterized protein , GN=ERLIN1 PE=4 SV=2 - [F1NJ94_CHICK]                   | 14.88 | 40.81  | 8.15 | 2  | 3  | 1.254 | 0.032 |
| H9L3J2 | U4/U6 small nuclear ribonucleoprotein Prp3 , GN=PRPF3 PE=4 SV=1 - [H9L3J2_CHICK] | 2.78  | 77.34  | 9.54 | 2  | 1  | 1.254 | 0.032 |
| E1BYM1 | mRNA cap guanine-N7 methyltransferase , GN=RNMT PE=3 SV=1 - [E1BYM1_CHICK]       | 2.41  | 47.51  | 5.62 | 1  | 1  | 1.254 | 0.032 |
| E1BTC3 | Uncharacterized protein , GN=PTK2B PE=4 SV=2 - [E1BTC3_CHICK]                    | 2.68  | 123.21 | 6.98 | 1  | 2  | 1.253 | 0.033 |
| F1NMN2 | Uncharacterized protein , GN=Gga.5085 PE=2 SV=2 - [F1NMN2_CHICK]                 | 3.46  | 44.30  | 5.96 | 2  | 1  | 1.253 | 0.033 |
| F1NEN7 | Uncharacterized protein (Fragment) , GN=COQ4 PE=3 SV=2 - [F1NEN7_CHICK]          | 4.73  | 30.74  | 7.77 | 1  | 1  | 1.252 | 0.033 |
| F1NEW3 | Uncharacterized protein , GN=TRIM2 PE=4 SV=2 - [F1NEW3_CHICK]                    | 1.88  | 81.50  | 6.90 | 1  | 1  | 1.252 | 0.033 |
| O93532 | Keratin, type II cytoskeletal cochlear , PE=2 SV=1 - [K2CO_CHICK]                | 65.65 | 53.77  | 6.10 | 14 | 28 | 1.252 | 0.033 |
| Q90W83 | Aldo-keto reductase , GN=akr PE=2 SV=1 - [Q90W83_CHICK]                          | 9.78  | 36.45  | 7.75 | 1  | 1  | 1.250 | 0.035 |
| F1NJL0 | Uncharacterized protein , GN=ATXN2 PE=4 SV=2 - [F1NJL0_CHICK]                    | 3.66  | 118.20 | 9.32 | 1  | 3  | 1.249 | 0.035 |
| F1NFZ8 | Uncharacterized protein , GN=GEMIN4 PE=2 SV=1 - [F1NFZ8_CHICK]                   | 1.03  | 119.18 | 5.27 | 3  | 1  | 1.249 | 0.035 |
| Q5ZMF8 | Uncharacterized protein , GN=RCJMB04_2c19 PE=2 SV=1 - [Q5ZMF8_CHICK]             | 2.00  | 51.31  | 8.56 | 2  | 1  | 1.249 | 0.035 |
| F1NCS6 | Uncharacterized protein , GN=MTHFD1L PE=3 SV=2 - [F1NCS6_CHICK]                  | 4.39  | 100.94 | 8.02 | 1  | 3  | 1.248 | 0.036 |
| E1BRH7 | Uncharacterized protein , GN=PDE6D PE=4 SV=2 - [E1BRH7_CHICK]                    | 8.00  | 17.35  | 5.39 | 1  | 1  | 1.247 | 0.037 |
| Q5F4B1 | Phosphoglycolate phosphatase , GN=PGP PE=2 SV=1 - [PGP_CHICK]                    | 13.14 | 32.97  | 5.73 | 2  | 3  | 1.246 | 0.037 |
| F1NZ85 | Uncharacterized protein (Fragment) , GN=SEC16A PE=4 SV=1 - [F1NZ85_CHICK]        | 1.38  | 243.87 | 5.88 | 1  | 2  | 1.246 | 0.037 |
| E1C5W9 | Uncharacterized protein , GN=CRYM PE=4 SV=1 - [E1C5W9_CHICK]                     | 13.69 | 33.07  | 6.09 | 1  | 4  | 1.246 | 0.037 |
| R4GLI2 | GMP reductase (Fragment) , GN=GMPR PE=3 SV=1 - [R4GLI2_CHICK]                    | 6.62  | 33.99  | 7.30 | 3  | 2  | 1.246 | 0.037 |
| F1P579 | Uncharacterized protein , GN=CHCHD2 PE=2 SV=2 - [F1P579_CHICK]                   | 29.05 | 15.24  | 8.82 | 1  | 2  | 1.245 | 0.038 |
| Q5ZHW4 | Ras-related protein Rab-5B , GN=RAB5B PE=2 SV=1 - [RAB5B_CHICK]                  | 35.81 | 23.60  | 8.13 | 2  | 3  | 1.244 | 0.038 |
| E1C7J8 | Uncharacterized protein , GN=XRCC6BP1 PE=4 SV=1 - [E1C7J8_CHICK]                 | 6.61  | 27.51  | 7.46 | 1  | 1  | 1.244 | 0.039 |
| E1BY36 | Uncharacterized protein , GN=ASMTL PE=3 SV=2 - [E1BY36_CHICK]                    | 3.99  | 69.45  | 6.39 | 1  | 2  | 1.240 | 0.042 |
| E1BYP7 | Uncharacterized protein , GN=SEH1L PE=4 SV=2 - [E1BYP7_CHICK]                    | 4.68  | 25.64  | 8.65 | 1  | 1  | 1.240 | 0.042 |
| Q5ZMC1 | Uncharacterized protein , GN=DDX19B PE=2 SV=1 - [Q5ZMC1_CHICK]                   | 9.81  | 53.87  | 6.15 | 2  | 4  | 1.239 | 0.042 |
| E1BVH3 | Uncharacterized protein , GN=Gga.10629 PE=2 SV=1 - [E1BVH3_CHICK]                | 2.85  | 55.73  | 8.21 | 2  | 2  | 1.239 | 0.042 |

|        |                                                                                            |       |        |       |   |    |       |       |
|--------|--------------------------------------------------------------------------------------------|-------|--------|-------|---|----|-------|-------|
| R4GHG6 | Uncharacterized protein , GN=LOC100858988 PE=4 SV=1 - [R4GHG6_CHICK]                       | 15.04 | 26.02  | 5.92  | 1 | 3  | 1.237 | 0.044 |
| F1NTB0 | Uncharacterized protein (Fragment) , GN=DARS2 PE=3 SV=2 - [F1NTB0_CHICK]                   | 3.32  | 71.18  | 6.67  | 1 | 2  | 1.237 | 0.044 |
| E1C573 | Uncharacterized protein , GN=LCMT2 PE=4 SV=1 - [E1C573_CHICK]                              | 2.05  | 76.41  | 6.89  | 1 | 1  | 1.236 | 0.045 |
| Q5ZJ73 | Protein CREG1 , GN=CREG1 PE=2 SV=1 - [CREG1_CHICK]                                         | 17.19 | 21.09  | 6.67  | 1 | 2  | 1.236 | 0.045 |
| E1C762 | Uncharacterized protein , GN=C5H14orf126 PE=4 SV=2 - [E1C762_CHICK]                        | 5.39  | 18.64  | 6.54  | 1 | 1  | 1.236 | 0.045 |
| F1P5K1 | Uncharacterized protein , GN=ACSM4 PE=4 SV=2 - [F1P5K1_CHICK]                              | 1.90  | 64.84  | 7.72  | 1 | 1  | 1.235 | 0.046 |
| F1NFS3 | Putative oxidoreductase GLYR1 (Fragment) , GN=GLYR1 PE=2 SV=2 - [F1NFS3_CHICK]             | 7.97  | 60.44  | 9.25  | 2 | 3  | 1.235 | 0.046 |
| R4GJG8 | Uncharacterized protein (Fragment) , PE=4 SV=1 - [R4GJG8_CHICK]                            | 1.68  | 38.34  | 10.07 | 1 | 1  | 1.235 | 0.046 |
| F1NA55 | Eukaryotic translation initiation factor 2 subunit 1 , GN=EIF2A PE=2 SV=2 - [F1NA55_CHICK] | 3.87  | 62.73  | 8.79  | 2 | 2  | 1.235 | 0.046 |
| F1P0W2 | Uncharacterized protein , GN=ARHGAP32 PE=4 SV=2 - [F1P0W2_CHICK]                           | 0.63  | 226.82 | 6.98  | 1 | 1  | 1.234 | 0.046 |
| F1NDP8 | Uncharacterized protein , GN=KRT20 PE=3 SV=2 - [F1NDP8_CHICK]                              | 60.09 | 49.14  | 5.03  | 7 | 24 | 1.232 | 0.048 |
| F1N8U3 | Uncharacterized protein , GN=SLC22A13 PE=4 SV=2 - [F1N8U3_CHICK]                           | 6.20  | 60.58  | 6.76  | 1 | 2  | 1.231 | 0.049 |
| E1C0S7 | Uncharacterized protein , GN=LACE1 PE=4 SV=2 - [E1C0S7_CHICK]                              | 1.45  | 62.20  | 8.46  | 1 | 1  | 1.230 | 0.050 |
| F1NAN4 | Uncharacterized protein , GN=LCT PE=2 SV=1 - [F1NAN4_CHICK]                                | 7.02  | 220.01 | 5.74  | 1 | 11 | 0.833 | 0.050 |
| F1NDZ9 | Uncharacterized protein , GN=CHERP PE=2 SV=2 - [F1NDZ9_CHICK]                              | 1.76  | 44.51  | 4.94  | 2 | 1  | 0.832 | 0.049 |
| F1N9B0 | Uncharacterized protein , GN=LOC769668 PE=3 SV=2 - [F1N9B0_CHICK]                          | 37.45 | 27.39  | 8.02  | 1 | 4  | 0.832 | 0.049 |
| Q98932 | Ras-related protein Rab-5C , GN=RAB5C PE=1 SV=1 - [RAB5C_CHICK]                            | 46.76 | 23.54  | 8.41  | 2 | 4  | 0.832 | 0.048 |
| F1NU17 | Phosphoglycerate kinase , GN=PGK1 PE=3 SV=1 - [F1NU17_CHICK]                               | 56.83 | 44.64  | 8.12  | 2 | 19 | 0.831 | 0.048 |
| F1NG56 | Uncharacterized protein , GN=ARHGAP5 PE=4 SV=2 - [F1NG56_CHICK]                            | 0.53  | 171.99 | 6.62  | 1 | 1  | 0.831 | 0.047 |
| F1NU57 | Uncharacterized protein (Fragment) , GN=MEP1B PE=3 SV=2 - [F1NU57_CHICK]                   | 13.42 | 79.74  | 5.27  | 6 | 6  | 0.831 | 0.047 |
| H9KZM4 | Uncharacterized protein (Fragment) , PE=4 SV=2 - [H9KZM4_CHICK]                            | 15.80 | 54.86  | 7.02  | 1 | 5  | 0.830 | 0.046 |
| Q7SZC3 | Granzyme A , GN=GZMA PE=2 SV=1 - [Q7SZC3_CHICK]                                            | 44.23 | 28.47  | 9.17  | 1 | 9  | 0.830 | 0.046 |
| E1C645 | Uncharacterized protein (Fragment) , GN=NDUFA7 PE=4 SV=2 - [E1C645_CHICK]                  | 43.70 | 12.94  | 10.36 | 1 | 4  | 0.830 | 0.045 |
| R4GI37 | Uncharacterized protein (Fragment) , GN=PBDC1 PE=4 SV=1 - [R4GI37_CHICK]                   | 9.43  | 12.18  | 4.92  | 2 | 1  | 0.830 | 0.045 |
| R4GKA6 | Collagen alpha-2(VI) chain , GN=COL6A2 PE=4 SV=1 - [R4GKA6_CHICK]                          | 5.89  | 102.43 | 5.48  | 2 | 4  | 0.830 | 0.045 |
| R4GIV5 | Uncharacterized protein , GN=COMMD8 PE=4 SV=1 - [R4GIV5_CHICK]                             | 3.98  | 20.11  | 4.86  | 1 | 1  | 0.829 | 0.044 |

|        |                                                                                                  |       |        |      |    |    |       |       |
|--------|--------------------------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| F1NIW7 | Uncharacterized protein , GN=CUBN PE=2 SV=2 - [F1NIW7_CHICK]                                     | 0.28  | 398.47 | 5.60 | 1  | 1  | 0.828 | 0.043 |
| E1BW59 | Uncharacterized protein , GN=HBS1L PE=2 SV=2 - [E1BW59_CHICK]                                    | 1.02  | 75.97  | 6.34 | 1  | 1  | 0.828 | 0.042 |
| F1NPC4 | Uncharacterized protein , GN=LOC429272 PE=2 SV=2 - [F1NPC4_CHICK]                                | 3.09  | 64.44  | 5.26 | 16 | 1  | 0.827 | 0.042 |
| F1NNR3 | Annexin , GN=ANXA13 PE=3 SV=2 - [F1NNR3_CHICK]                                                   | 42.90 | 35.32  | 6.47 | 2  | 16 | 0.827 | 0.041 |
| F1NPJ4 | Succinate dehydrogenase flavoprotein subunit, mitochondrial , GN=SDHA PE=4 SV=2 - [F1NPJ4_CHICK] | 48.72 | 72.92  | 7.18 | 1  | 1  | 0.826 | 0.041 |
| F1NLK0 | Uncharacterized protein , GN=GNL3 PE=4 SV=2 - [F1NLK0_CHICK]                                     | 3.22  | 76.19  | 9.39 | 1  | 2  | 0.826 | 0.040 |
| Q5ZM93 | Uncharacterized protein , GN=RCJMB04_2n3 PE=4 SV=1 - [Q5ZM93_CHICK]                              | 13.33 | 9.67   | 4.64 | 1  | 1  | 0.825 | 0.039 |
| E1C6C0 | Uncharacterized protein (Fragment) , GN=MEMO1 PE=4 SV=2 - [E1C6C0_CHICK]                         | 4.44  | 33.29  | 6.98 | 1  | 1  | 0.825 | 0.039 |
| F1NNQ9 | Uncharacterized protein (Fragment) , GN=PRPF4 PE=4 SV=2 - [F1NNQ9_CHICK]                         | 5.58  | 59.92  | 8.06 | 1  | 2  | 0.824 | 0.038 |
| F1NUY9 | Ufm1-specific protease 2 , GN=UFSP2 PE=4 SV=1 - [F1NUY9_CHICK]                                   | 4.13  | 52.08  | 6.70 | 2  | 2  | 0.824 | 0.038 |
| F1NIF1 | Uncharacterized protein , PE=4 SV=2 - [F1NIF1_CHICK]                                             | 1.55  | 116.33 | 6.96 | 15 | 1  | 0.824 | 0.038 |
| P19439 | Probable glutamate receptor , GN=KBP PE=1 SV=1 - [GLRK_CHICK]                                    | 1.44  | 54.32  | 8.00 | 1  | 1  | 0.824 | 0.038 |
| F1NNF7 | Uncharacterized protein , GN=LOC100859720 PE=4 SV=1 - [F1NNF7_CHICK]                             | 46.21 | 32.57  | 8.91 | 6  | 12 | 0.823 | 0.037 |
| P13731 | Serpin H1 , GN=SERPINH1 PE=1 SV=2 - [SERPH_CHICK]                                                | 3.70  | 45.65  | 8.72 | 1  | 1  | 0.823 | 0.036 |
| Q5ZJF7 | Uncharacterized protein , GN=ZNF259 PE=2 SV=1 - [Q5ZJF7_CHICK]                                   | 3.90  | 25.79  | 4.51 | 1  | 1  | 0.821 | 0.035 |
| F1P4S3 | Uncharacterized protein , GN=KIAA1715 PE=4 SV=2 - [F1P4S3_CHICK]                                 | 2.86  | 47.42  | 5.36 | 1  | 1  | 0.821 | 0.034 |
| Q5ZLJ8 | Uncharacterized protein , GN=TMEM59 PE=2 SV=1 - [Q5ZLJ8_CHICK]                                   | 3.38  | 36.15  | 5.08 | 1  | 1  | 0.820 | 0.033 |
| E1BTS3 | Uncharacterized protein , GN=LYRM5 PE=4 SV=1 - [E1BTS3_CHICK]                                    | 8.14  | 10.30  | 9.79 | 1  | 1  | 0.819 | 0.032 |
| O73665 | Desmin (Fragment) , PE=2 SV=1 - [O73665_CHICK]                                                   | 23.66 | 51.63  | 5.38 | 2  | 3  | 0.818 | 0.032 |
| C6KIB2 | Importin subunit alpha (Fragment) , GN=KPNA3 PE=2 SV=1 - [C6KIB2_CHICK]                          | 5.42  | 55.13  | 4.81 | 2  | 1  | 0.818 | 0.031 |
| F1NHW3 | Enhancer of rudimentary homolog , GN=ERH PE=2 SV=1 - [F1NHW3_CHICK]                              | 39.42 | 12.28  | 5.92 | 2  | 4  | 0.818 | 0.031 |
| E1BZS8 | Uncharacterized protein , GN=TXNL1 PE=4 SV=1 - [E1BZS8_CHICK]                                    | 34.95 | 32.33  | 5.07 | 1  | 6  | 0.817 | 0.031 |
| F1N918 | Uncharacterized protein , GN=GZMK PE=3 SV=2 - [F1N918_CHICK]                                     | 7.25  | 28.99  | 9.10 | 1  | 2  | 0.817 | 0.030 |
| Q5ZI81 | Uncharacterized protein , GN=RCJMB04_29g21 PE=2 SV=1 - [Q5ZI81_CHICK]                            | 20.95 | 86.29  | 6.04 | 1  | 1  | 0.816 | 0.029 |
| E1C2G1 | Uncharacterized protein , GN=TCF25 PE=4 SV=2 - [E1C2G1_CHICK]                                    | 4.02  | 77.04  | 6.01 | 1  | 2  | 0.816 | 0.029 |
| F1P2A6 | Adenosine deaminase , GN=ADA PE=3 SV=2 - [F1P2A6_CHICK]                                          | 66.95 | 40.65  | 6.10 | 2  | 24 | 0.815 | 0.029 |



|        |                                                                                            |       |        |      |   |   |       |       |
|--------|--------------------------------------------------------------------------------------------|-------|--------|------|---|---|-------|-------|
| Q5ZJL3 | Uncharacterized protein , GN=PSMF1 PE=2 SV=1 - [Q5ZJL3_CHICK]                              | 5.54  | 29.12  | 5.38 | 1 | 1 | 0.815 | 0.029 |
| E1C0Q6 | Uncharacterized protein , GN=ATM PE=2 SV=2 - [E1C0Q6_CHICK]                                | 0.29  | 349.55 | 6.98 | 1 | 1 | 0.815 | 0.028 |
| F1NBK4 | Uncharacterized protein , PE=4 SV=2 - [F1NBK4_CHICK]                                       | 0.22  | 286.92 | 6.77 | 1 | 1 | 0.814 | 0.028 |
| E1BX21 | Uncharacterized protein , GN=SIN3A PE=4 SV=2 - [E1BX21_CHICK]                              | 0.94  | 145.50 | 7.31 | 1 | 1 | 0.814 | 0.027 |
| F1NFV7 | Uncharacterized protein , GN=LOC100858161 PE=4 SV=2 - [F1NFV7_CHICK]                       | 5.01  | 164.62 | 5.25 | 1 | 6 | 0.814 | 0.027 |
| R4GIB7 | Uncharacterized protein , GN=SAAL1 PE=4 SV=1 - [R4GIB7_CHICK]                              | 1.92  | 52.37  | 4.42 | 1 | 1 | 0.813 | 0.027 |
| F1NWG2 | Uncharacterized protein (Fragment) , GN=CTSC PE=3 SV=1 - [F1NWG2_CHICK]                    | 3.89  | 52.03  | 7.72 | 1 | 1 | 0.813 | 0.026 |
| F1NWB0 | Uncharacterized protein , GN=NT5DC3 PE=3 SV=2 - [F1NWB0_CHICK]                             | 3.48  | 64.10  | 8.75 | 1 | 1 | 0.812 | 0.026 |
| R4GIW4 | Uncharacterized protein , GN=XPNPEP2 PE=4 SV=1 - [R4GIW4_CHICK]                            | 3.52  | 75.74  | 5.36 | 1 | 2 | 0.811 | 0.025 |
| F1NW76 | Uncharacterized protein (Fragment) , GN=IQCE PE=4 SV=2 - [F1NW76_CHICK]                    | 1.84  | 79.84  | 8.79 | 4 | 1 | 0.811 | 0.024 |
| Q5ZII8 | Uncharacterized protein , GN=CD151 PE=2 SV=1 - [Q5ZII8_CHICK]                              | 3.97  | 28.62  | 8.22 | 1 | 1 | 0.810 | 0.024 |
| F1P099 | Uncharacterized protein (Fragment) , GN=ARSB PE=2 SV=2 - [F1P099_CHICK]                    | 4.55  | 59.88  | 7.71 | 1 | 3 | 0.810 | 0.024 |
| E1BY44 | Uncharacterized protein (Fragment) , GN=TGM2 PE=2 SV=2 - [E1BY44_CHICK]                    | 5.23  | 77.70  | 5.05 | 3 | 2 | 0.809 | 0.023 |
| E1BSY6 | Uncharacterized protein , GN=POLR2L PE=3 SV=1 - [E1BSY6_CHICK]                             | 16.42 | 7.64   | 7.77 | 1 | 1 | 0.807 | 0.021 |
| Q5F3L4 | Protein DENND6A , GN=DENND6A PE=2 SV=1 - [DEN6A_CHICK]                                     | 1.37  | 67.01  | 8.10 | 2 | 1 | 0.806 | 0.021 |
| A4GTP0 | Galectin , PE=2 SV=1 - [A4GTP0_CHICK]                                                      | 34.02 | 25.66  | 8.27 | 4 | 8 | 0.805 | 0.020 |
| Q9PUJ3 | Protein serine/threonine kinase (Fragment) , GN=AKT2 PE=2 SV=1 - [Q9PUJ3_CHICK]            | 3.25  | 28.55  | 5.05 | 1 | 1 | 0.805 | 0.020 |
| F1P2L9 | Uncharacterized protein (Fragment) , GN=GORASP2 PE=4 SV=2 - [F1P2L9_CHICK]                 | 2.86  | 44.25  | 4.88 | 2 | 1 | 0.805 | 0.020 |
| F1NBX1 | Regucalcin , GN=RGN PE=4 SV=1 - [F1NBX1_CHICK]                                             | 9.36  | 33.19  | 6.07 | 2 | 2 | 0.804 | 0.020 |
| E1C040 | Uncharacterized protein , GN=HECTD1 PE=2 SV=2 - [E1C040_CHICK]                             | 0.51  | 284.78 | 5.26 | 1 | 1 | 0.804 | 0.020 |
| F1NZV1 | Uncharacterized protein , GN=ITPR1 PE=2 SV=2 - [F1NZV1_CHICK]                              | 0.73  | 310.41 | 6.15 | 1 | 1 | 0.804 | 0.019 |
| F1NNV0 | Sarcoplasmic/endoplasmic reticulum calcium ATPase 3 , GN=ATP2A3 PE=3 SV=2 - [F1NNV0_CHICK] | 13.92 | 115.33 | 6.01 | 2 | 3 | 0.804 | 0.019 |
| R4GGG4 | Uncharacterized protein (Fragment) , GN=LOC422528 PE=3 SV=1 - [R4GGG4_CHICK]               | 5.15  | 61.64  | 9.42 | 6 | 2 | 0.802 | 0.018 |
| F2Z4L6 | Serum albumin , GN=ALB PE=4 SV=2 - [F2Z4L6_CHICK]                                          | 70.09 | 63.96  | 5.45 | 1 | 2 | 0.802 | 0.018 |
| H9L006 | Uncharacterized protein , GN=CPSF7 PE=4 SV=2 - [H9L006_CHICK]                              | 1.73  | 51.18  | 7.50 | 1 | 1 | 0.801 | 0.017 |
| Q8UUK1 | Preprocarboxypeptidase A , GN=CPA1 PE=2 SV=1 - [Q8UUK1_CHICK]                              | 2.86  | 46.98  | 6.54 | 1 | 1 | 0.799 | 0.016 |

|        |                                                                             |       |        |       |   |    |       |       |
|--------|-----------------------------------------------------------------------------|-------|--------|-------|---|----|-------|-------|
| P08250 | Apolipoprotein A-I , GN=APOA1 PE=1 SV=2 - [APOA1_CHICK]                     | 69.32 | 30.66  | 5.69  | 1 | 22 | 0.798 | 0.016 |
| Q5ZHZ8 | Uncharacterized protein , GN=RCJMB04_31o6 PE=2 SV=1 - [Q5ZHZ8_CHICK]        | 3.19  | 36.71  | 5.66  | 2 | 1  | 0.798 | 0.016 |
| F1NR36 | Uncharacterized protein (Fragment) , GN=PGPEP1 PE=4 SV=2 - [F1NR36_CHICK]   | 3.37  | 22.71  | 5.69  | 1 | 1  | 0.798 | 0.016 |
| R4GF71 | Uncharacterized protein , GN=TMSB4X PE=4 SV=1 - [R4GF71_CHICK]              | 15.91 | 5.05   | 5.06  | 4 | 1  | 0.797 | 0.015 |
| E1BSZ0 | Uncharacterized protein , GN=AGPAT5 PE=4 SV=1 - [E1BSZ0_CHICK]              | 1.92  | 42.35  | 9.35  | 1 | 1  | 0.797 | 0.015 |
| R4GIJ4 | Uncharacterized protein , GN=LOC100857591 PE=4 SV=1 - [R4GIJ4_CHICK]        | 20.90 | 14.62  | 7.50  | 1 | 1  | 0.797 | 0.015 |
| E1C1R1 | Uncharacterized protein , GN=LOC100857706 PE=2 SV=1 - [E1C1R1_CHICK]        | 5.91  | 21.29  | 7.05  | 1 | 1  | 0.796 | 0.014 |
| R4GFG7 | Uncharacterized protein , GN=LOC100859810 PE=4 SV=1 - [R4GFG7_CHICK]        | 1.41  | 55.31  | 8.47  | 2 | 1  | 0.794 | 0.013 |
| F1NBA4 | Glutaredoxin-1 , GN=GLRX PE=4 SV=2 - [F1NBA4_CHICK]                         | 32.67 | 11.36  | 8.16  | 2 | 4  | 0.793 | 0.013 |
| E1BWG0 | Fatty acid synthase , GN=FASN PE=2 SV=2 - [E1BWG0_CHICK]                    | 1.39  | 274.60 | 6.34  | 3 | 3  | 0.793 | 0.013 |
| E1BRH3 | Uncharacterized protein , GN=Gga.51996 PE=2 SV=2 - [E1BRH3_CHICK]           | 0.37  | 392.60 | 6.77  | 2 | 2  | 0.792 | 0.012 |
| E1C5W8 | Uncharacterized protein , GN=RNF123 PE=4 SV=2 - [E1C5W8_CHICK]              | 1.15  | 147.48 | 6.96  | 1 | 1  | 0.791 | 0.012 |
| F1NY74 | Uncharacterized protein , GN=C14H16orf62 PE=2 SV=2 - [F1NY74_CHICK]         | 1.43  | 111.28 | 7.21  | 1 | 1  | 0.788 | 0.011 |
| P09987 | Histone H1 , PE=1 SV=2 - [H1_CHICK]                                         | 32.57 | 21.87  | 11.12 | 3 | 1  | 0.784 | 0.009 |
| F1NLK6 | Uncharacterized protein , PE=4 SV=2 - [F1NLK6_CHICK]                        | 3.78  | 110.16 | 6.54  | 2 | 3  | 0.782 | 0.008 |
| E1BVN7 | Uncharacterized protein , GN=PIGQ PE=4 SV=1 - [E1BVN7_CHICK]                | 1.92  | 65.61  | 8.22  | 1 | 1  | 0.778 | 0.007 |
| P20678 | Cytochrome P450 2H2 , GN=CYP2H2 PE=1 SV=1 - [CP2H2_CHICK]                   | 45.62 | 56.45  | 7.21  | 2 | 1  | 0.778 | 0.007 |
| R4GJH2 | Uncharacterized protein , PE=4 SV=1 - [R4GJH2_CHICK]                        | 30.83 | 14.87  | 9.70  | 1 | 2  | 0.775 | 0.006 |
| Q8QG67 | Glutathione peroxidase , GN=GPx4 PE=2 SV=3 - [Q8QG67_CHICK]                 | 40.00 | 19.38  | 7.85  | 1 | 6  | 0.774 | 0.006 |
| R4GGZ2 | Uncharacterized protein , GN=NDUFA4 PE=4 SV=1 - [R4GGZ2_CHICK]              | 12.20 | 9.49   | 9.54  | 1 | 1  | 0.773 | 0.006 |
| F1NLL9 | Uncharacterized protein , GN=INPP5D PE=4 SV=2 - [F1NLL9_CHICK]              | 1.07  | 136.97 | 7.69  | 1 | 2  | 0.773 | 0.006 |
| F1NRD7 | Dickkopf-related protein 3 , GN=DKK3 PE=4 SV=1 - [F1NRD7_CHICK]             | 2.86  | 39.17  | 4.89  | 2 | 1  | 0.773 | 0.006 |
| R4GGX6 | Uncharacterized protein , GN=TOMM5 PE=4 SV=1 - [R4GGX6_CHICK]               | 13.73 | 6.11   | 10.49 | 1 | 1  | 0.772 | 0.006 |
| F1NDM3 | Uncharacterized protein , GN=GRAMD3 PE=4 SV=2 - [F1NDM3_CHICK]              | 2.80  | 48.86  | 7.46  | 1 | 1  | 0.772 | 0.006 |
| D6NKG5 | Secreted phospholipase A2 group IIA , GN=PLA2G2E PE=2 SV=1 - [D6NKG5_CHICK] | 6.38  | 15.42  | 8.82  | 1 | 1  | 0.771 | 0.005 |
| F1P1W8 | Uncharacterized protein , GN=RRP1B PE=2 SV=2 - [F1P1W8_CHICK]               | 0.93  | 84.41  | 9.55  | 2 | 1  | 0.771 | 0.005 |

|        |                                                                                             |       |        |      |   |   |       |       |
|--------|---------------------------------------------------------------------------------------------|-------|--------|------|---|---|-------|-------|
| Q5F433 | PRA1 family protein 3 , GN=ARL6IP5 PE=2 SV=1 - [PRAF3_CHICK]                                | 19.68 | 21.64  | 9.50 | 1 | 3 | 0.770 | 0.005 |
| F1NVH2 | Tubulin-specific chaperone A , GN=TBCA PE=4 SV=1 - [F1NVH2_CHICK]                           | 17.59 | 12.70  | 5.44 | 2 | 2 | 0.767 | 0.005 |
| P12275 | Arylamine N-acetyltransferase, liver isozyme , PE=1 SV=1 - [ARYL_CHICK]                     | 6.62  | 32.89  | 5.85 | 2 | 2 | 0.767 | 0.005 |
| B3VE14 | Inter-alpha inhibitor heavy chain 2 , GN=ITIH2 PE=2 SV=1 - [B3VE14_CHICK]                   | 0.74  | 106.70 | 7.34 | 2 | 1 | 0.767 | 0.004 |
| E1C0G2 | Uncharacterized protein (Fragment) , GN=E4F1 PE=4 SV=2 - [E1C0G2_CHICK]                     | 2.77  | 83.72  | 5.66 | 1 | 1 | 0.766 | 0.004 |
| E1BY94 | Uncharacterized protein , GN=DEPDC6 PE=4 SV=2 - [E1BY94_CHICK]                              | 5.54  | 45.46  | 8.13 | 1 | 2 | 0.765 | 0.004 |
| F1NKW0 | Uncharacterized protein , GN=ABCB1 PE=2 SV=2 - [F1NKW0_CHICK]                               | 24.15 | 141.89 | 7.40 | 4 | 1 | 0.764 | 0.004 |
| R4GMK2 | Glutathione peroxidase (Fragment) , GN=LOC100857454 PE=3 SV=1 - [R4GMK2_CHICK]              | 8.22  | 16.93  | 8.63 | 1 | 1 | 0.764 | 0.004 |
| Q5ZJW2 | Uncharacterized protein , GN=NDUFB8 PE=2 SV=1 - [Q5ZJW2_CHICK]                              | 28.80 | 21.93  | 8.29 | 1 | 4 | 0.763 | 0.004 |
| R4GM59 | Uncharacterized protein , PE=4 SV=1 - [R4GM59_CHICK]                                        | 1.37  | 83.77  | 9.44 | 1 | 1 | 0.762 | 0.004 |
| E1BV20 | Uncharacterized protein , GN=PHF5A PE=4 SV=2 - [E1BV20_CHICK]                               | 11.11 | 13.05  | 8.05 | 1 | 1 | 0.762 | 0.004 |
| Q5ZLG0 | Acetoacetyl-CoA synthetase , GN=AACS PE=2 SV=1 - [AACS_CHICK]                               | 5.55  | 74.32  | 6.49 | 4 | 3 | 0.762 | 0.004 |
| Q7LZS1 | 12K serum protein, beta-2-m cross-reactive (Fragment) , PE=1 SV=1 - [Q7LZS1_CHICK]          | 45.71 | 3.97   | 5.02 | 1 | 1 | 0.760 | 0.003 |
| E1BTE2 | Uncharacterized protein , GN=SERPINB5 PE=3 SV=2 - [E1BTE2_CHICK]                            | 2.65  | 42.62  | 5.96 | 1 | 1 | 0.759 | 0.003 |
| F1NDA2 | Uncharacterized protein (Fragment) , GN=ZMPSTE24 PE=4 SV=1 - [F1NDA2_CHICK]                 | 3.42  | 53.78  | 6.80 | 1 | 1 | 0.757 | 0.003 |
| R4GJL1 | Uncharacterized protein , GN=NIPSNAP3A PE=4 SV=1 - [R4GJL1_CHICK]                           | 10.80 | 28.14  | 9.42 | 1 | 3 | 0.756 | 0.003 |
| F1NUB0 | Uncharacterized protein (Fragment) , GN=LOC429682 PE=4 SV=2 - [F1NUB0_CHICK]                | 12.78 | 25.31  | 7.88 | 2 | 2 | 0.752 | 0.002 |
| Q05706 | Beta-tropomyosin , GN=BRT-1 PE=2 SV=1 - [Q05706_CHICK]                                      | 32.86 | 32.78  | 4.79 | 5 | 1 | 0.751 | 0.002 |
| E1C607 | Uncharacterized protein , GN=TANC1 PE=4 SV=2 - [E1C607_CHICK]                               | 0.55  | 200.39 | 8.47 | 1 | 1 | 0.751 | 0.002 |
| F1NED5 | X-ray repair cross-complementing protein 5 (Fragment) , GN=XRCC6 PE=2 SV=2 - [F1NED5_CHICK] | 1.93  | 71.18  | 6.15 | 2 | 1 | 0.751 | 0.002 |
| F1NQI1 | Uncharacterized protein , GN=Gga.55054 PE=2 SV=2 - [F1NQI1_CHICK]                           | 0.52  | 239.63 | 6.15 | 1 | 1 | 0.749 | 0.002 |
| P41263 | Retinol-binding protein 4 , GN=RBP4 PE=1 SV=1 - [RET4_CHICK]                                | 5.10  | 22.50  | 6.34 | 1 | 1 | 0.746 | 0.002 |
| F1P2Y8 | Uncharacterized protein (Fragment) , GN=WDR12 PE=4 SV=2 - [F1P2Y8_CHICK]                    | 3.55  | 47.34  | 5.68 | 1 | 1 | 0.742 | 0.001 |
| E1C7M3 | Uncharacterized protein , GN=NCKIPSD PE=4 SV=2 - [E1C7M3_CHICK]                             | 1.20  | 83.39  | 6.25 | 1 | 1 | 0.742 | 0.001 |
| H9KZJ3 | Uncharacterized protein , PE=4 SV=2 - [H9KZJ3_CHICK]                                        | 5.94  | 74.60  | 6.49 | 1 | 3 | 0.741 | 0.001 |
| Q90617 | Lysosome-associated membrane glycoprotein 2 , GN=LAMP2 PE=2 SV=1 - [LAMP2_CHICK]            | 2.12  | 46.69  | 6.62 | 1 | 1 | 0.739 | 0.001 |

|        |                                                                                 |       |        |      |    |    |       |       |
|--------|---------------------------------------------------------------------------------|-------|--------|------|----|----|-------|-------|
| F1NRI6 | Uncharacterized protein (Fragment) , GN=FAM26D PE=4 SV=2 - [F1NRI6_CHICK]       | 1.90  | 35.71  | 6.39 | 1  | 1  | 0.732 | 0.001 |
| F1NF53 | Uncharacterized protein , GN=AMY2A PE=3 SV=1 - [F1NF53_CHICK]                   | 6.25  | 57.46  | 6.18 | 4  | 3  | 0.732 | 0.001 |
| F1NH26 | Uncharacterized protein (Fragment) , GN=XPNPEP3 PE=3 SV=1 - [F1NH26_CHICK]      | 2.77  | 56.59  | 7.53 | 1  | 1  | 0.731 | 0.001 |
| F1P266 | Uncharacterized protein , GN=ERCC5 PE=2 SV=2 - [F1P266_CHICK]                   | 0.45  | 126.95 | 5.06 | 2  | 1  | 0.730 | 0.001 |
| Q5ZI34 | Redox-regulatory protein FAM213A , GN=FAM213A PE=2 SV=2 - [F213A_CHICK]         | 4.02  | 24.93  | 8.82 | 2  | 1  | 0.730 | 0.001 |
| F1NC48 | Uncharacterized protein , GN=MNF1 PE=4 SV=2 - [F1NC48_CHICK]                    | 17.60 | 15.06  | 9.19 | 1  | 2  | 0.728 | 0.001 |
| R4GH25 | Uncharacterized protein (Fragment) , PE=4 SV=1 - [R4GH25_CHICK]                 | 13.02 | 39.42  | 8.05 | 3  | 3  | 0.727 | 0.001 |
| R4GI52 | Uncharacterized protein , PE=3 SV=1 - [R4GI52_CHICK]                            | 4.05  | 27.43  | 5.94 | 15 | 1  | 0.725 | 0.001 |
| E1BU22 | Uncharacterized protein , GN=GAA PE=4 SV=2 - [E1BU22_CHICK]                     | 1.40  | 104.59 | 6.28 | 1  | 1  | 0.723 | 0.001 |
| F1NLZ2 | Uncharacterized protein (Fragment) , GN=CHGA PE=4 SV=2 - [F1NLZ2_CHICK]         | 7.69  | 53.44  | 4.51 | 6  | 3  | 0.718 | 0.000 |
| F1NIU6 | Uncharacterized protein , GN=M6PR PE=4 SV=2 - [F1NIU6_CHICK]                    | 5.50  | 32.33  | 5.39 | 1  | 1  | 0.714 | 0.000 |
| F1NPU8 | High mobility group protein B2 , GN=HMGB2 PE=4 SV=1 - [F1NPU8_CHICK]            | 9.66  | 23.79  | 8.38 | 2  | 2  | 0.713 | 0.000 |
| R4GFI8 | Uncharacterized protein (Fragment) , GN=LOC100857116 PE=3 SV=1 - [R4GFI8_CHICK] | 5.65  | 24.84  | 4.83 | 1  | 1  | 0.710 | 0.000 |
| E1BVK0 | Uncharacterized protein , GN=MARK1 PE=4 SV=2 - [E1BVK0_CHICK]                   | 2.39  | 88.98  | 9.38 | 2  | 1  | 0.710 | 0.000 |
| B2ZU82 | Telomere repeat binding factor 1 , GN=TERF1 PE=2 SV=1 - [B2ZU82_CHICK]          | 3.64  | 31.80  | 8.31 | 7  | 1  | 0.706 | 0.000 |
| F1NPU2 | Uncharacterized protein , GN=CRYL1 PE=2 SV=2 - [F1NPU2_CHICK]                   | 46.20 | 34.92  | 6.79 | 3  | 10 | 0.706 | 0.000 |
| E1BTK2 | Uncharacterized protein , PE=4 SV=2 - [E1BTK2_CHICK]                            | 0.71  | 193.60 | 6.92 | 1  | 1  | 0.701 | 0.000 |
| Q25C35 | Tiarin-like , GN=Tiarin-like PE=2 SV=1 - [Q25C35_CHICK]                         | 2.86  | 55.90  | 5.66 | 1  | 1  | 0.699 | 0.000 |
| Q5ZLM5 | Uncharacterized protein , GN=LOC422249 PE=2 SV=1 - [Q5ZLM5_CHICK]               | 6.81  | 74.03  | 7.36 | 1  | 3  | 0.698 | 0.000 |
| E1BUA1 | Uncharacterized protein , GN=Gga.40168 PE=4 SV=2 - [E1BUA1_CHICK]               | 4.09  | 107.41 | 5.45 | 5  | 1  | 0.698 | 0.000 |
| E1C8S9 | Uncharacterized protein , GN=DNAJC9 PE=4 SV=1 - [E1C8S9_CHICK]                  | 2.69  | 29.83  | 6.25 | 1  | 1  | 0.696 | 0.000 |
| E1C5V1 | Uncharacterized protein , PE=4 SV=2 - [E1C5V1_CHICK]                            | 4.85  | 24.76  | 6.76 | 1  | 1  | 0.694 | 0.000 |
| E1C6U4 | Uncharacterized protein , GN=Gga.27766 PE=4 SV=2 - [E1C6U4_CHICK]               | 0.89  | 243.11 | 6.68 | 1  | 1  | 0.686 | 0.000 |
| E1C8H5 | Uncharacterized protein , GN=ATRX PE=4 SV=1 - [E1C8H5_CHICK]                    | 0.94  | 276.09 | 7.33 | 1  | 2  | 0.685 | 0.000 |
| F1NM07 | Uncharacterized protein , PE=4 SV=2 - [F1NM07_CHICK]                            | 1.90  | 29.93  | 8.60 | 1  | 1  | 0.680 | 0.000 |
| Q5F3A3 | Putative uncharacterized protein , GN=RCJMB04_25f13 PE=2 SV=1 - [Q5F3A3_CHICK]  | 1.31  | 94.25  | 7.05 | 3  | 1  | 0.677 | 0.000 |

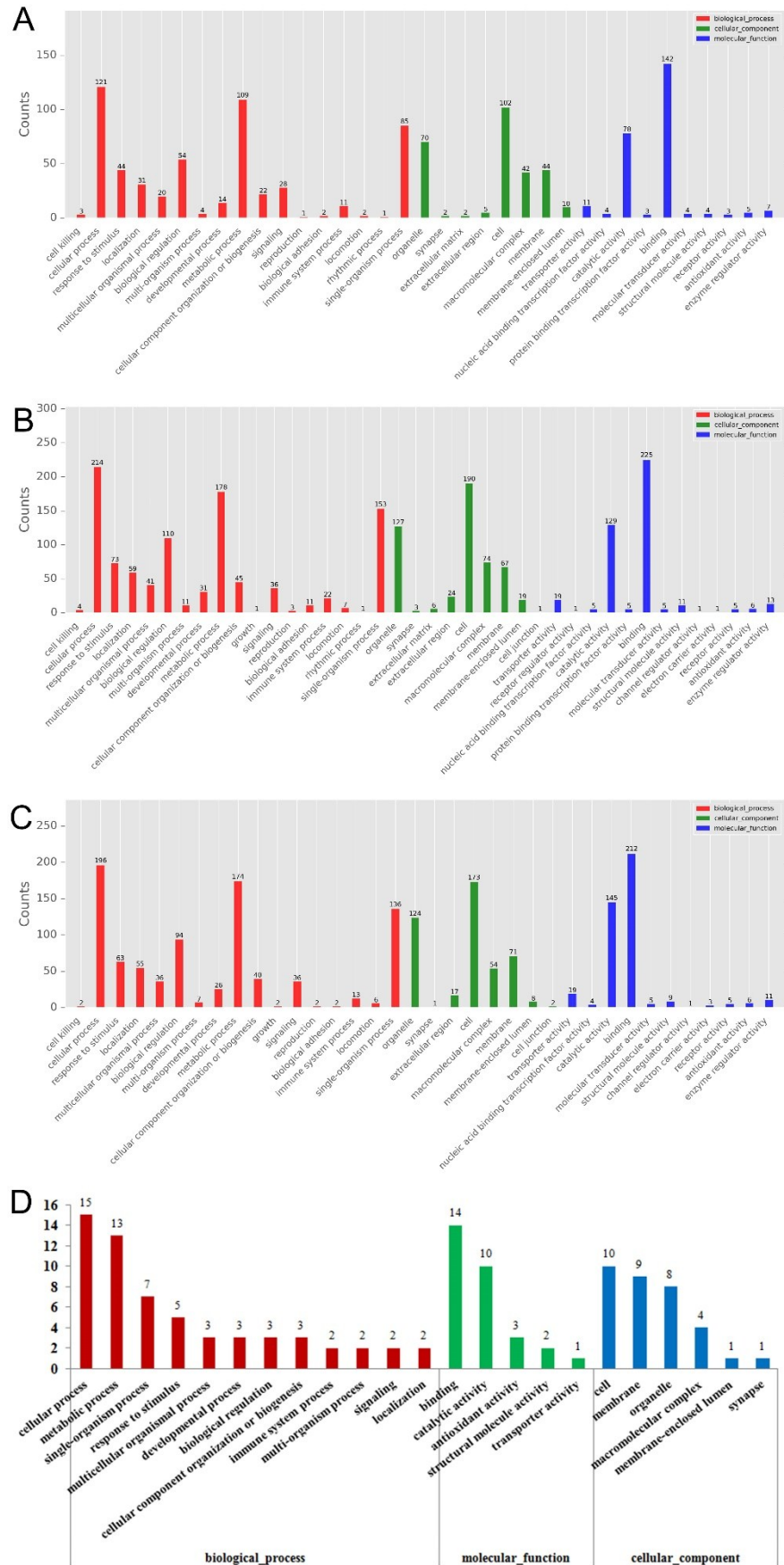
|        |                                                                                                |       |        |       |   |    |       |       |
|--------|------------------------------------------------------------------------------------------------|-------|--------|-------|---|----|-------|-------|
| P08286 | Histone H1.10 , PE=1 SV=3 - [H110_CHICK]                                                       | 30.91 | 21.99  | 11.18 | 1 | 1  | 0.676 | 0.000 |
| F1NZ09 | Uncharacterized protein (Fragment) , GN=GGCT PE=4 SV=1 - [F1NZ09_CHICK]                        | 6.25  | 21.49  | 6.54  | 1 | 1  | 0.672 | 0.000 |
| F1NL88 | Uncharacterized protein , GN=RTN4IP1 PE=4 SV=2 - [F1NL88_CHICK]                                | 9.77  | 42.38  | 9.51  | 1 | 3  | 0.670 | 0.000 |
| R4GJC0 | Uncharacterized protein , GN=CARHSP1 PE=4 SV=1 - [R4GJC0_CHICK]                                | 10.53 | 16.47  | 8.21  | 1 | 1  | 0.664 | 0.000 |
| R4GMG9 | Uncharacterized protein , GN=Gga.49427 PE=4 SV=1 - [R4GMG9_CHICK]                              | 12.20 | 22.63  | 4.88  | 1 | 1  | 0.657 | 0.000 |
| F1NYQ1 | Uncharacterized protein , GN=TRPC7 PE=4 SV=2 - [F1NYQ1_CHICK]                                  | 0.65  | 88.16  | 6.96  | 1 | 1  | 0.622 | 0.000 |
| F1P0Z7 | ADP-ribosylation factor-like protein 8A , GN=ARL8A PE=3 SV=2 - [F1P0Z7_CHICK]                  | 7.53  | 21.50  | 8.43  | 1 | 1  | 0.622 | 0.000 |
| E1C5U8 | Uncharacterized protein , GN=C3H6orf192 PE=2 SV=2 - [E1C5U8_CHICK]                             | 5.24  | 48.94  | 5.73  | 1 | 1  | 0.617 | 0.000 |
| F1P587 | Uncharacterized protein , GN=LOC418892 PE=4 SV=2 - [F1P587_CHICK]                              | 0.95  | 189.87 | 7.30  | 1 | 1  | 0.594 | 0.000 |
| F1NKY0 | Uncharacterized protein (Fragment) , GN=DSCC1 PE=4 SV=1 - [F1NKY0_CHICK]                       | 5.63  | 44.16  | 5.08  | 1 | 1  | 0.589 | 0.000 |
| Q90VU9 | Adenosine deaminase , PE=2 SV=1 - [Q90VU9_CHICK]                                               | 2.39  | 54.49  | 8.94  | 4 | 1  | 0.575 | 0.000 |
| D2XV92 | SLIT1 (Fragment) , GN=SLIT1 PE=2 SV=1 - [D2XV92_CHICK]                                         | 0.93  | 165.06 | 7.23  | 1 | 1  | 0.561 | 0.000 |
| R4GH86 | Glutathione peroxidase (Fragment) , GN=LOC100857115 PE=3 SV=1 - [R4GH86_CHICK]                 | 59.74 | 17.91  | 6.92  | 2 | 6  | 0.555 | 0.000 |
| B0LY48 | Calbindin-D28k , PE=2 SV=1 - [B0LY48_CHICK]                                                    | 54.96 | 30.16  | 4.83  | 4 | 15 | 0.518 | 0.000 |
| E1C350 | Uncharacterized protein , GN=CZH9orf95 PE=4 SV=1 - [E1C350_CHICK]                              | 7.18  | 24.32  | 4.98  | 1 | 1  | 0.512 | 0.000 |
| F1NCS2 | Uncharacterized protein , GN=EWSR1 PE=4 SV=2 - [F1NCS2_CHICK]                                  | 2.04  | 71.74  | 9.31  | 2 | 1  | 0.429 | 0.000 |
| E1C7F5 | Uncharacterized protein , GN=SLC33A1 PE=4 SV=1 - [E1C7F5_CHICK]                                | 2.38  | 59.83  | 7.90  | 1 | 1  | 0.420 | 0.000 |
| E1C5J0 | Uncharacterized protein , GN=MTTP PE=4 SV=2 - [E1C5J0_CHICK]                                   | 58.45 | 99.90  | 8.25  | 1 | 1  | 0.414 | 0.000 |
| Q5ZIG7 | Uncharacterized protein , GN=RCJMB04_26g6 PE=2 SV=1 - [Q5ZIG7_CHICK]                           | 54.17 | 75.55  | 7.47  | 3 | 2  | 0.402 | 0.000 |
| Q9YHT1 | Succinate dehydrogenase flavoprotein subunit, mitochondrial , GN=SDHA PE=1 SV=2 - [DHSA_CHICK] | 49.62 | 72.88  | 7.08  | 1 | 1  | 0.400 | 0.000 |
| F1NG21 | Uncharacterized protein , GN=RNMTL1 PE=4 SV=2 - [F1NG21_CHICK]                                 | 4.18  | 43.53  | 9.63  | 1 | 1  | 0.376 | 0.000 |
| B4X9P4 | Microsomal glutathione S-transferase 1 , GN=MGST1 PE=2 SV=1 - [B4X9P4_CHICK]                   | 30.97 | 17.25  | 9.66  | 2 | 1  | 0.372 | 0.000 |
| P68497 | Metallothionein , PE=1 SV=1 - [MT_CHICK]                                                       | 68.25 | 6.46   | 7.96  | 1 | 5  | 0.337 | 0.000 |
| Q5ZK71 | DNA topoisomerase , GN=TOP3B PE=2 SV=1 - [Q5ZK71_CHICK]                                        | 1.04  | 96.62  | 8.09  | 1 | 1  | 0.332 | 0.000 |
| E1BV98 | Uncharacterized protein , GN=PANK4 PE=4 SV=2 - [E1BV98_CHICK]                                  | 1.77  | 88.24  | 6.62  | 1 | 1  | 0.240 | 0.000 |

## Figure legends

**Fig. S1. GO classification annotations of differentially expressed proteins of in selenium deficiency and control groups .** A: differentially expressed proteins at 7 day; B: differentially expressed proteins at 21 day; C: differentially expressed proteins at 35 day; D: Shared differentially expressed proteins at 7, 21, and 35 day.

**Fig. S2. Enriched KEGG Pathway Clustered by the differentially expressed proteins of in selenium deficiency and control groups .** A: differentially expressed proteins at 7 day; B: differentially expressed proteins at 21 day; C: differentially expressed proteins at 35 day; D: Shared differentially expressed proteins at 7, 21, and 35 day.

**Fig. 1**



**Fig. 2**

