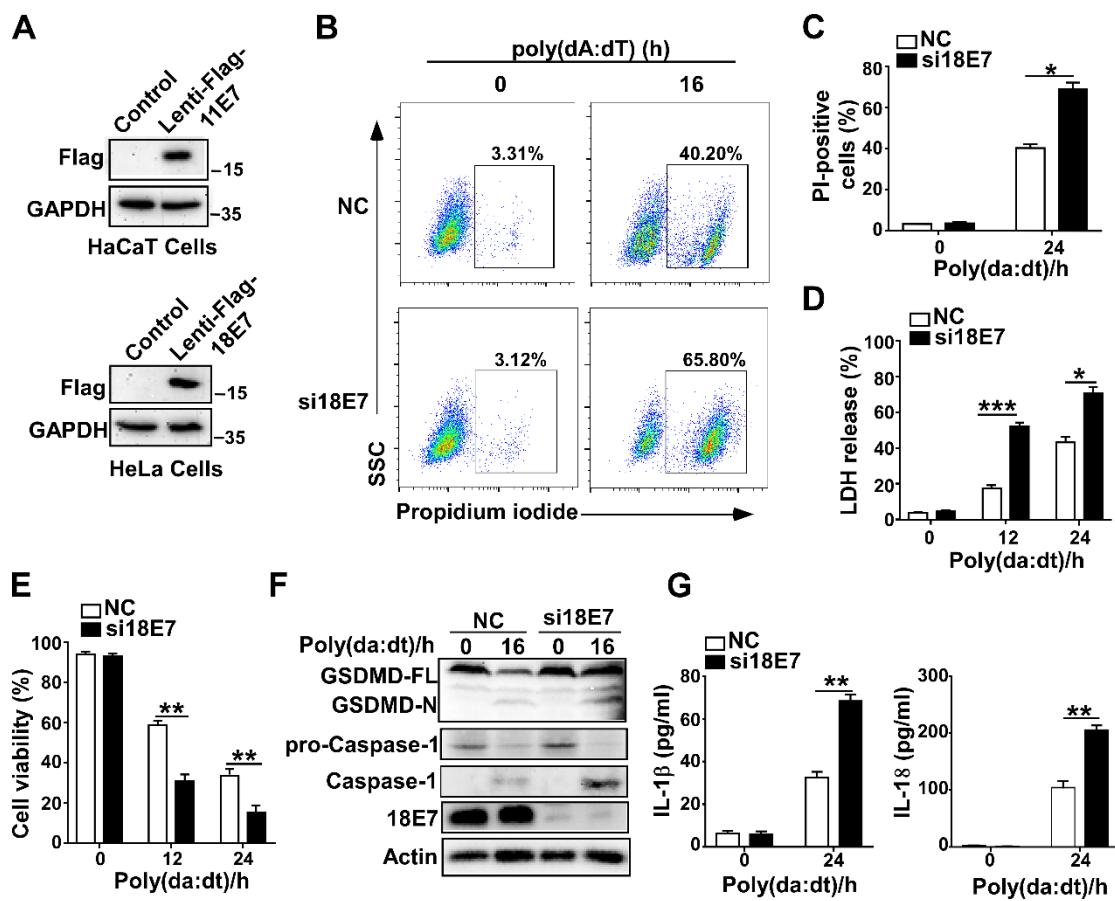


1    **Supplementary information:**

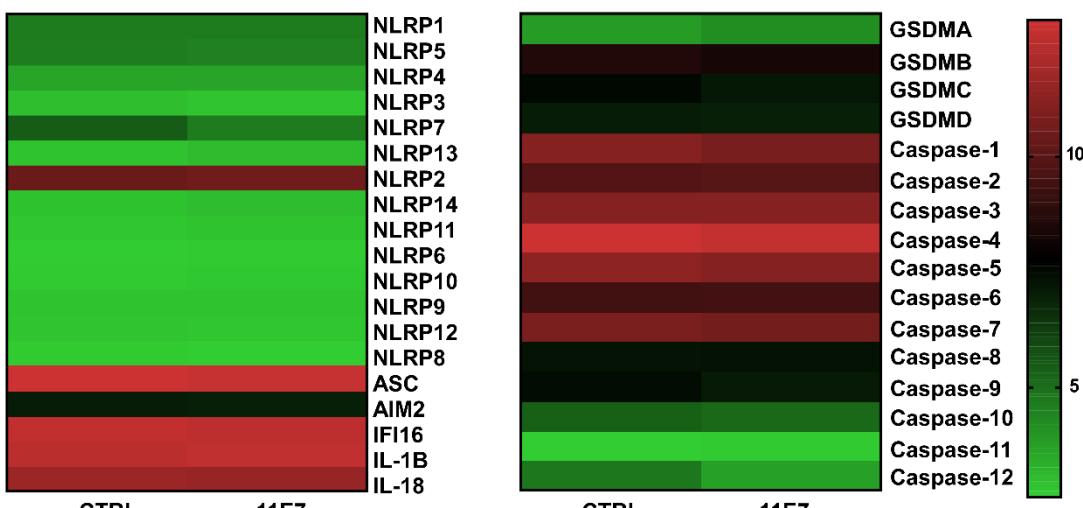
2    **Supplementary figure 1**



3    **Figure S1. HPV E7 inhibits pyroptosis induced by intracellular dsDNA.** (A) Immunoblot analysis of HPV E7 in HaCaT cells stably expressing HPV11E7 or HeLa cells stably expressing HPV 18E7. (B-C) Flow cytometry analysis (B) and statistical analysis (C) of propidium iodide-positive control or HPV 18E7 silenced HeLa cells after transfection with poly(dA:dT) for the indicate times. (D-E) LDH assay (D) and Cell viability assay (E) to detect dead control or HPV 18E7 silenced HeLa cells after transfection with poly(dA:dT) for the indicate times. (F) Immunoblot analysis of GSDMD and caspase-1 in the lysates of control or HPV 18E7 silenced HeLa cells transfected with poly(dA:dT) for 16 hr. (G) ELISA analysis of IL-18 and IL-1 $\beta$  in control or HPV 18E7 silenced HeLa cells transfected with poly(dA:dT) for 24 hr. Data are presented as mean  $\pm$  SD of duplicate samples and are representative of at least three independent experiments. P values are determined by two-tailed Student's *t* test. \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001.

17 **Supplementary figure 2**

**A**



18

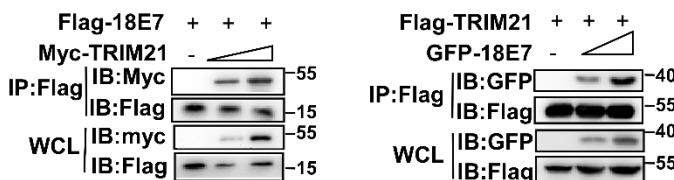
19 **Figure S2. HPV E7 does not affect the mRNA level of genes associated with pyroptosis.**

20 (A) RNA-seq analysis of HaCaT cells stably expressing HPV 11E7. Data are representative of  
21 at two independent experiments.

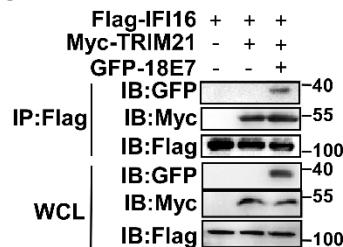
22

23 **Supplementary figure 3**

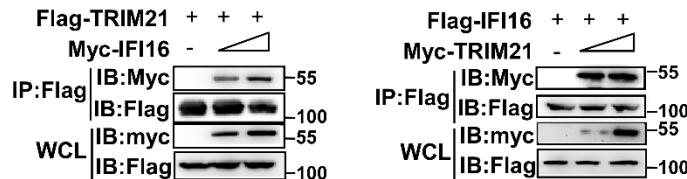
**A**



**C**



**B**



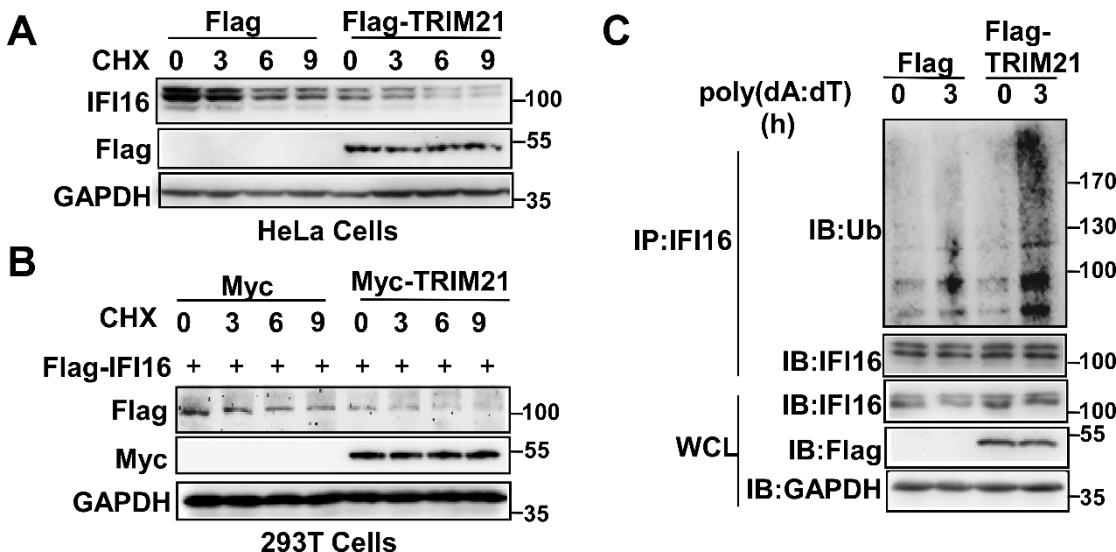
24

25 **Figure S3. HPV E7 interacts with IFI16 and the E3 ligaseTRIM21.** (A)  
26 Coimmunoprecipitation and immunoblot analysis of 293T cells cotransfected for 36 h with  
27 Flag-18E7 and Myc-TRIM21 or Flag-TRIM21 and GFP-18E7, followed by  
28 immunoprecipitation with anti-FlagM2 beads. (B) Coimmunoprecipitation and immunoblot  
29 analysis of 293T cells cotransfected for 36h with Flag-TRIM21 and Myc-IFI16 or Flag-IFI16  
30 and Myc-TRIM21, followed by immunoprecipitation with anti-FlagM2 beads. (C)  
31 Coimmunoprecipitation and immunoblot analysis of 293T cells cotransfected for 36 h with

32 Flag-IFI16 and Myc-TRIM21 or GFP-18E7, followed by immunoprecipitation with  
 33 anti-FlagM2 beads. Data are representative of at least three independent experiments.

34

35 **Supplementary figure 4**



36 **Figure S4. HPV E7 interacts with IFI16 and the E3 ligase TRIM21.** (A) Immunoblot  
 37 analysis of control HeLa cells or TRIM21-overexpressing HeLa cells transfected with  
 38 poly(dA:dT) for the indicated times. (B) Immunoblot analysis of control HeLa cells or  
 39 TRIM21-overexpressing HeLa cells treated with CHX (40 µg/ml) for the indicated times after  
 40 transfection with poly(dA:dT) for 1 hr. (C) Immunoblot analysis of ubiquitinated IFI16 in  
 41 control HeLa cells or TRIM21-overexpressing HeLa cells transfected with poly(dA:dT) for  
 42 the indicated times and treated with MG132 for 6 hours before cell harvest. Data are  
 43 representative of at least three independent experiments.

45

46 **Supplementary table 1. The information of HPV 11E7 interacted proteins in stable  
 47 expression of HPV 11E7 HaCaT cells.**

| Accession | Description                                                                                                   | Score  | Coverage |
|-----------|---------------------------------------------------------------------------------------------------------------|--------|----------|
| B4DTN0    | cDNA FLJ51085, highly similar to Retinoblastoma-associated protein OS=Homo sapiens PE=2 SV=1 - [B4DTN0_HUMAN] | 111.86 | 15.10    |
| P28749    | Retinoblastoma-like protein 1 OS=Homo sapiens GN=RBL1 PE=1 SV=3 - [RBL1_HUMAN]                                | 95.77  | 17.42    |
| Q9Y2W1    | Thyroid hormone receptor-associated protein 3 OS=Homo sapiens GN=THRAP3 PE=1 SV=2 - [TR150_HUMAN]             | 92.02  | 11.73    |

|            |                                                                                                               |       |       |
|------------|---------------------------------------------------------------------------------------------------------------|-------|-------|
| P19474     | E3 ubiquitin-protein ligase TRIM21 OS=Homo sapiens GN=TRIM21 PE=1 SV=1 - [RO52_HUMAN]                         | 91.99 | 10.11 |
| Q86V81     | THO complex subunit 4 OS=Homo sapiens GN=ALYREF PE=1 SV=3 - [THOC4_HUMAN]                                     | 71.23 | 17.12 |
| Q6P2Q9     | Pre-mRNA-processing-splicing factor 8 OS=Homo sapiens GN=PRPF8 PE=1 SV=2 - [PRP8_HUMAN]                       | 67.15 | 5.14  |
| X5D2J9     | General transcription factor IIi isoform D (Fragment) OS=Homo sapiens GN=GTF2I PE=2 SV=1 - [X5D2J9_HUMAN]     | 58.09 | 13.27 |
| Q7Z406     | Myosin-14 OS=Homo sapiens GN=MYH14 PE=1 SV=2 - [MYH14_HUMAN]                                                  | 55.18 | 4.41  |
| Q96DI9     | POLDIP3 protein (Fragment) OS=Homo sapiens GN=POLDIP3 PE=2 SV=2 - [Q96DI9_HUMAN]                              | 53.69 | 19.66 |
| A0A024RAR0 | Proline-rich protein HaeIII subfamily 1, isoform CRA_a OS=Homo sapiens GN=PRH1 PE=4 SV=1 - [A0A024RAR0_HUMAN] | 49.31 | 45.78 |
| Q8TB01     | Similar to cytoskeleton-associated protein 4 (Fragment) OS=Homo sapiens PE=2 SV=1 - [Q8TB01_HUMAN]            | 41.41 | 15.71 |
| Q96RE1     | Translation elongation factor 1 alpha 1-like 14 OS=Homo sapiens GN=EEF1A1L14 PE=2 SV=1 - [Q96RE1_HUMAN]       | 41.32 | 14.82 |
| K7EK45     | Polypyrimidine tract-binding protein 1 (Fragment) OS=Homo sapiens GN=PTBP1 PE=1 SV=1 - [K7EK45_HUMAN]         | 40.41 | 23.05 |
| B7Z3V1     | Sodium/potassium-transporting ATPase subunit alpha (Fragment) OS=Homo sapiens PE=2 SV=1 - [B7Z3V1_HUMAN]      | 40.36 | 8.04  |
| B4DSZ9     | E3 ubiquitin-protein ligase TTC3 OS=Homo sapiens GN=TTC3 PE=1 SV=1 - [B4DSZ9_HUMAN]                           | 37.11 | 2.61  |
| A0A024R1X8 | Junction plakoglobin, isoform CRA_a OS=Homo sapiens GN=JUP PE=4 SV=1 - [A0A024R1X8_HUMAN]                     | 36.17 | 8.59  |
| P30050     | 60S ribosomal protein L12 OS=Homo sapiens GN=RPL12 PE=1 SV=1 - [RL12_HUMAN]                                   | 36.00 | 28.48 |
| F6IB50     | MHC class I antigen (Fragment) OS=Homo sapiens GN=HLA-A PE=4 SV=1 - [F6IB50_HUMAN]                            | 35.30 | 14.13 |
| E5RI99     | 60S ribosomal protein L30 (Fragment) OS=Homo sapiens GN=RPL30 PE=1 SV=1 - [E5RI99_HUMAN]                      | 32.33 | 24.56 |
| B2RAM6     | Kinesin-like protein OS=Homo sapiens PE=2 SV=1 - [B2RAM6_HUMAN]                                               | 29.65 | 6.25  |
| Q2VPJ6     | HSP90AA1 protein (Fragment) OS=Homo sapiens                                                                   | 29.17 | 9.91  |

|            |                                                                                                                                                 |       |       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
|            | GN=HSP90AA1 PE=1 SV=1 - [Q2VPJ6_HUMAN]                                                                                                          |       |       |
| Q15208     | Serine/threonine-protein kinase 38 OS=Homo sapiens<br>GN=STK38 PE=1 SV=1 - [STK38_HUMAN]                                                        | 28.74 | 17.42 |
| Q8IYY2     | KCTD2 protein (Fragment) OS=Homo sapiens<br>GN=KCTD2 PE=2 SV=1 - [Q8IYY2_HUMAN]                                                                 | 28.05 | 11.43 |
| A0A0J9YXZ5 | Ras GTPase-activating-like protein IQGAP1<br>OS=Homo sapiens GN=IQGAP1 PE=1 SV=1 -<br>[A0A0J9YXZ5_HUMAN]                                        | 27.22 | 5.12  |
| Q96BG6     | ACTN4 protein (Fragment) OS=Homo sapiens<br>GN=ACTN4 PE=2 SV=2 - [Q96BG6_HUMAN]                                                                 | 27.14 | 8.20  |
| E9PPJ5     | Midkine (Fragment) OS=Homo sapiens GN=MDK<br>PE=1 SV=1 - [E9PPJ5_HUMAN]                                                                         | 25.50 | 19.85 |
| D3DUZ3     | Interferon, gamma-inducible protein 16, isoform<br>CRA_a OS=Homo sapiens GN=IFI16 PE=4 SV=1 -<br>[D3DUZ3_HUMAN]                                 | 25.46 | 7.37  |
| Q5JYR4     | Dolichyl-diphosphooligosaccharide--protein<br>glycosyltransferase subunit 2 (Fragment) OS=Homo<br>sapiens GN=RPN2 PE=1 SV=7 -<br>[Q5JYR4_HUMAN] | 25.38 | 23.95 |
| Q59FC6     | Tumor rejection antigen (Gp96) 1 variant (Fragment)<br>OS=Homo sapiens PE=2 SV=1 -<br>[Q59FC6_HUMAN]                                            | 25.28 | 10.24 |
| Q96HX3     | Dolichyl-diphosphooligosaccharide--protein<br>glycosyltransferase subunit 1 (Fragment) OS=Homo<br>sapiens PE=2 SV=1 - [Q96HX3_HUMAN]            | 24.96 | 9.15  |
| F8VSC5     | SCY1-like protein 2 (Fragment) OS=Homo sapiens<br>GN=SCYL2 PE=1 SV=1 - [F8VSC5_HUMAN]                                                           | 24.16 | 6.02  |
| Q96PK6     | RNA-binding protein 14 OS=Homo sapiens<br>GN=RBM14 PE=1 SV=2 - [RBM14_HUMAN]                                                                    | 24.13 | 5.98  |
| Q96BS4     | FBL protein (Fragment) OS=Homo sapiens GN=FBL<br>PE=1 SV=2 - [Q96BS4_HUMAN]                                                                     | 21.82 | 14.62 |
| F5H837     | Retinoblastoma-like protein 2 (Fragment) OS=Homo<br>sapiens GN=RBL2 PE=1 SV=2 -<br>[F5H837_HUMAN]                                               | 19.58 | 2.50  |
| Q96AF9     | ZYX protein (Fragment) OS=Homo sapiens<br>GN=ZYX PE=2 SV=2 - [Q96AF9_HUMAN]                                                                     | 19.51 | 8.58  |
| Q9H0A0     | RNA cytidine acetyltransferase OS=Homo sapiens<br>GN=NAT10 PE=1 SV=2 - [NAT10_HUMAN]                                                            | 18.59 | 4.78  |
| Q7Z759     | CCT8 protein OS=Homo sapiens GN=CCT8 PE=2<br>SV=1 - [Q7Z759_HUMAN]                                                                              | 17.68 | 6.64  |
| A0A087WXU5 | Nucleolar protein of 40 kDa OS=Homo sapiens<br>GN=ZCCHC17 PE=1 SV=1 -<br>[A0A087WXU5_HUMAN]                                                     | 17.55 | 18.49 |
| Q9BQA1     | Methylosome protein 50 OS=Homo sapiens                                                                                                          | 17.45 | 8.48  |

|            |                                                                                                                                                            |       |       |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
|            | GN=WDR77 PE=1 SV=1 - [MEP50_HUMAN]                                                                                                                         |       |       |
| A8K6H6     | cDNA FLJ76875, highly similar to Homo sapiens protein tyrosine phosphatase, non-receptor type 14 (PTPN14), mRNA OS=Homo sapiens PE=2 SV=1 - [A8K6H6_HUMAN] | 16.70 | 2.36  |
| Q504U8     | EGFR protein OS=Homo sapiens GN=EGFR PE=1 SV=1 - [Q504U8_HUMAN]                                                                                            | 15.87 | 2.66  |
| A0A0S2Z415 | Heat shock 60kDa protein 1 isoform 4 OS=Homo sapiens GN=HSPD1 PE=2 SV=1 - [A0A0S2Z415_HUMAN]                                                               | 15.71 | 14.79 |
| F5H2D2     | Prohibitin-2 OS=Homo sapiens GN=PHB2 PE=1 SV=1 - [F5H2D2_HUMAN]                                                                                            | 15.69 | 34.48 |
| X6R700     | Chromatin target of PRMT1 protein OS=Homo sapiens GN=CHTOP PE=1 SV=1 - [X6R700_HUMAN]                                                                      | 15.65 | 18.83 |
| Q59H46     | Integrin beta (Fragment) OS=Homo sapiens PE=2 SV=1 - [Q59H46_HUMAN]                                                                                        | 15.52 | 3.50  |
| G3V1B3     | 60S ribosomal protein L21 OS=Homo sapiens GN=RPL21 PE=1 SV=1 - [G3V1B3_HUMAN]                                                                              | 15.30 | 17.24 |
| B3KU66     | cDNA FLJ39263 fis, clone OCBBF2009571, highly similar to ATP-dependent RNA helicase A (EC 3.6.1.-) OS=Homo sapiens PE=2 SV=1 - [B3KU66_HUMAN]              | 14.64 | 2.91  |
| Q7Z5X3     | EIF3L protein OS=Homo sapiens GN=EIF3L PE=2 SV=2 - [Q7Z5X3_HUMAN]                                                                                          | 13.60 | 8.51  |
| B3KUD7     | DNA helicase OS=Homo sapiens PE=2 SV=1 - [B3KUD7_HUMAN]                                                                                                    | 13.60 | 7.19  |
| Q9BUZ4     | TNF receptor-associated factor 4 OS=Homo sapiens GN=TRAF4 PE=1 SV=1 - [TRAF4_HUMAN]                                                                        | 13.44 | 16.17 |
| F8WAM2     | T-complex protein 1 subunit eta (Fragment) OS=Homo sapiens GN=CCT7 PE=1 SV=1 - [F8WAM2_HUMAN]                                                              | 13.36 | 22.45 |
| Q5JSD2     | Voltage-dependent anion-selective channel protein 2 (Fragment) OS=Homo sapiens GN=VDAC2 PE=1 SV=7 - [Q5JSD2_HUMAN]                                         | 13.34 | 6.67  |
| A0A0D9SFE5 | Lamin B1, isoform CRA_a OS=Homo sapiens GN=LMNB1 PE=1 SV=1 - [A0A0D9SFE5_HUMAN]                                                                            | 12.81 | 10.94 |
| P62750     | 60S ribosomal protein L23a OS=Homo sapiens GN=RPL23A PE=1 SV=1 - [RL23A_HUMAN]                                                                             | 12.80 | 21.79 |
| H0YF10     | Histone-binding protein RBBP4 (Fragment) OS=Homo sapiens GN=RBBP4 PE=1 SV=1 - [H0YF10_HUMAN]                                                               | 12.51 | 6.28  |
| A8K6A2     | cDNA FLJ77317, highly similar to Homo sapiens                                                                                                              | 12.51 | 3.06  |

|            |                                                                                                                                                         |       |       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
|            | retinoblastoma binding protein 7 (RBBP7), mRNA<br>OS=Homo sapiens PE=2 SV=1 -<br>[A8K6A2_HUMAN]                                                         |       |       |
| A8KA74     | cDNA FLJ76065 OS=Homo sapiens PE=2 SV=1 -<br>[A8KA74_HUMAN]                                                                                             | 12.24 | 4.90  |
| B4DN87     | cDNA FLJ52569, highly similar to Collagen-binding protein 2 OS=Homo sapiens PE=2 SV=1 -<br>[B4DN87_HUMAN]                                               | 11.32 | 6.80  |
| E5RGH4     | Heterogeneous nuclear ribonucleoprotein H (Fragment) OS=Homo sapiens GN=HNRNPH1 PE=1 SV=1 - [E5RGH4_HUMAN]                                              | 11.22 | 33.00 |
| B3KMA6     | cDNA FLJ10609 fis, clone NT2RP2005276, highly similar to Long-chain-fatty-acid--CoA ligase 3 (EC 6.2.1.3) OS=Homo sapiens PE=2 SV=1 -<br>[B3KMA6_HUMAN] | 10.23 | 6.02  |
| Q14011     | Cold-inducible RNA-binding protein OS=Homo sapiens GN=CIRBP PE=1 SV=1 -<br>[CIRBP_HUMAN]                                                                | 10.20 | 26.74 |
| A0A0C4DGS1 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit OS=Homo sapiens GN=DDOST PE=1 SV=1 -<br>[A0A0C4DGS1_HUMAN]                | 9.96  | 2.51  |
| H0YE40     | CD44 antigen (Fragment) OS=Homo sapiens GN=CD44 PE=1 SV=1 - [H0YE40_HUMAN]                                                                              | 9.78  | 15.85 |
| D6RAN4     | 60S ribosomal protein L9 (Fragment) OS=Homo sapiens GN=RPL9 PE=1 SV=7 -<br>[D6RAN4_HUMAN]                                                               | 9.69  | 19.78 |
| Q9BS10     | Similar to ribosomal protein S8 (Fragment) OS=Homo sapiens PE=2 SV=1 -<br>[Q9BS10_HUMAN]                                                                | 9.66  | 16.25 |
| D6R991     | Matrin-3 (Fragment) OS=Homo sapiens GN=MATR3 PE=1 SV=1 - [D6R991_HUMAN]                                                                                 | 9.46  | 7.39  |
| Q6J1T2     | Intersectin 1 isoform 7 (Fragment) OS=Homo sapiens GN=ITSN1 PE=2 SV=1 - [Q6J1T2_HUMAN]                                                                  | 9.36  | 5.70  |
| A0A0J9YVQ7 | ATP-dependent RNA helicase DDX3X (Fragment) OS=Homo sapiens GN=DDX3X PE=1 SV=1 -<br>[A0A0J9YVQ7_HUMAN]                                                  | 9.34  | 7.32  |
| A0A024QYX7 | Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3S8 PE=3 SV=1 -<br>[A0A024QYX7_HUMAN]                                        | 9.22  | 2.68  |
| Q9BU76     | Multiple myeloma tumor-associated protein 2 OS=Homo sapiens GN=MMTAG2 PE=1 SV=1 -<br>[MMTA2_HUMAN]                                                      | 9.21  | 4.94  |
| A4FS09     | Minichromosome maintenance protein 4 (Fragment)                                                                                                         | 9.04  | 15.29 |

|            |                                                                                                                                   |      |       |
|------------|-----------------------------------------------------------------------------------------------------------------------------------|------|-------|
|            | OS=Homo sapiens GN=MCM4 PE=2 SV=1 - [A4FS09_HUMAN]                                                                                |      |       |
| D3DWL9     | Cleavage and polyadenylation specific factor 1, 160kDa, isoform CRA_a OS=Homo sapiens GN=CPSF1 PE=4 SV=1 - [D3DWL9_HUMAN]         | 9.02 | 1.25  |
| F2Z388     | 60S ribosomal protein L35 OS=Homo sapiens GN=RPL35 PE=1 SV=1 - [F2Z388_HUMAN]                                                     | 8.96 | 10.42 |
| B4DFE6     | cDNA FLJ59861, highly similar to ATP synthase gamma chain, mitochondrial (EC 3.6.3.14) OS=Homo sapiens PE=2 SV=1 - [B4DFE6_HUMAN] | 8.80 | 8.39  |
| H0YNQ3     | Aldehyde dehydrogenase family 1 member A3 OS=Homo sapiens GN=ALDH1A3 PE=1 SV=1 - [H0YNQ3_HUMAN]                                   | 8.77 | 7.80  |
| B4E190     | cDNA FLJ57770, moderately similar to ADP-ribosylation factor 3 OS=Homo sapiens PE=2 SV=1 - [B4E190_HUMAN]                         | 8.68 | 6.94  |
| B4DM30     | DEAH (Asp-Glu-Ala-His) box polypeptide 38, isoform CRA_d OS=Homo sapiens GN=DHX38 PE=2 SV=1 - [B4DM30_HUMAN]                      | 8.63 | 2.56  |
| F5GZQ3     | Trifunctional enzyme subunit beta, mitochondrial OS=Homo sapiens GN=HADHB PE=1 SV=1 - [F5GZQ3_HUMAN]                              | 8.61 | 4.79  |
| A8K9J7     | Histone H2B OS=Homo sapiens PE=2 SV=1 - [A8K9J7_HUMAN]                                                                            | 7.84 | 11.90 |
| D3DV75     | Adenosine deaminase, RNA-specific, isoform CRA_b OS=Homo sapiens GN=ADAR PE=4 SV=1 - [D3DV75_HUMAN]                               | 7.80 | 2.03  |
| O43290     | U4/U6.U5 tri-snRNP-associated protein 1 OS=Homo sapiens GN=SART1 PE=1 SV=1 - [SNUT1_HUMAN]                                        | 7.57 | 5.38  |
| B4DRA2     | cDNA FLJ57828, highly similar to Treacle protein (Fragment) OS=Homo sapiens PE=2 SV=1 - [B4DRA2_HUMAN]                            | 7.44 | 2.71  |
| M1XJE8     | MHC class I antigen (Fragment) OS=Homo sapiens GN=HLA-C PE=3 SV=1 - [M1XJE8_HUMAN]                                                | 7.44 | 8.05  |
| M0R2L9     | 40S ribosomal protein S19 (Fragment) OS=Homo sapiens GN=RPS19 PE=1 SV=1 - [M0R2L9_HUMAN]                                          | 7.31 | 15.49 |
| A0A075B6R9 | Protein IGKV2D-24 (Fragment) OS=Homo sapiens GN=IGKV2D-24 PE=4 SV=1 - [A0A075B6R9_HUMAN]                                          | 7.06 | 10.83 |
| H3BVI7     | Cadherin-1 OS=Homo sapiens GN=CDH1 PE=1 SV=1 - [H3BVI7_HUMAN]                                                                     | 7.03 | 3.38  |

|        |                                                                                                                                                  |      |       |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| E4W6B6 | RPL27/NME2 fusion protein (Fragment) OS=Homo sapiens GN=RPL27 PE=2 SV=1 - [E4W6B6_HUMAN]                                                         | 6.88 | 16.67 |
| B4DDH8 | cDNA FLJ55184, highly similar to Homo sapiens leukocyte receptor cluster (LRC) member 4 (LENG4), mRNA OS=Homo sapiens PE=2 SV=1 - [B4DDH8_HUMAN] | 6.56 | 2.64  |
| Q3SYB5 | SERPINB12 protein OS=Homo sapiens GN=SERPINB12 PE=2 SV=1 - [Q3SYB5_HUMAN]                                                                        | 6.55 | 8.74  |
| Q14692 | Ribosome biogenesis protein BMS1 homolog OS=Homo sapiens GN=BMS1 PE=1 SV=1 - [BMS1_HUMAN]                                                        | 6.50 | 1.09  |
| H0YIZ0 | Serine hydroxymethyltransferase (Fragment) OS=Homo sapiens GN=SHMT2 PE=1 SV=1 - [H0YIZ0_HUMAN]                                                   | 6.06 | 4.17  |
| Q15800 | Methylsterol monooxygenase 1 OS=Homo sapiens GN=MSMO1 PE=1 SV=1 - [MSMO1_HUMAN]                                                                  | 6.02 | 4.78  |
| M0R0Y6 | Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens GN=HNRNPM PE=1 SV=1 - [M0R0Y6_HUMAN]                                                   | 5.97 | 11.11 |
| Q9BSE8 | ZNF607 protein OS=Homo sapiens GN=ZNF607 PE=2 SV=1 - [Q9BSE8_HUMAN]                                                                              | 5.91 | 6.41  |
| Q8TA90 | Similar to Elongation factor 2b (Fragment) OS=Homo sapiens PE=2 SV=1 - [Q8TA90_HUMAN]                                                            | 5.82 | 4.64  |
| Q6DCA8 | BCLAF1 protein (Fragment) OS=Homo sapiens GN=BCLAF1 PE=2 SV=1 - [Q6DCA8_HUMAN]                                                                   | 5.79 | 3.97  |
| Q9BTC0 | Death-inducer obliterator 1 OS=Homo sapiens GN=DIDO1 PE=1 SV=5 - [DIDO1_HUMAN]                                                                   | 5.75 | 0.76  |
| B4DZB4 | cDNA FLJ51707, highly similar to Heat-shock protein 105 kDa OS=Homo sapiens PE=2 SV=1 - [B4DZB4_HUMAN]                                           | 5.73 | 2.03  |
| J3KTD9 | Fatty aldehyde dehydrogenase (Fragment) OS=Homo sapiens GN=ALDH3A2 PE=1 SV=1 - [J3KTD9_HUMAN]                                                    | 5.71 | 19.35 |
| Q2M243 | Coiled-coil domain-containing protein 27 OS=Homo sapiens GN=CCDC27 PE=2 SV=2 - [CCDC27_HUMAN]                                                    | 5.56 | 2.29  |
| B4DYP6 | cDNA FLJ57094, highly similar to Probable ATP-dependent RNA helicase DDX47 (EC3.6.1.-) OS=Homo sapiens PE=2 SV=1 - [B4DYP6_HUMAN]                | 5.50 | 9.85  |
| F2Z2I2 | 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatas                                                                                              | 5.49 | 2.86  |

|        |                                                                                                                                                            |      |       |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
|        | e 3 OS=Homo sapiens GN=PFKFB3 PE=1 SV=1 - [F2Z2I2_HUMAN]                                                                                                   |      |       |
| G3V119 | Cell cycle and apoptosis regulator protein 2 OS=Homo sapiens GN=CCAR2 PE=1 SV=1 - [G3V119_HUMAN]                                                           | 5.22 | 5.52  |
| B4DIW2 | cDNA FLJ54035, highly similar to Neutral alpha-glucosidase AB OS=Homo sapiens PE=2 SV=1 - [B4DIW2_HUMAN]                                                   | 4.63 | 2.53  |
| H3BNP9 | Sulfide:quinone oxidoreductase, mitochondrial (Fragment) OS=Homo sapiens GN=SQRDL PE=1 SV=1 - [H3BNP9_HUMAN]                                               | 4.18 | 11.29 |
| Q8TA86 | Retinitis pigmentosa 9 protein OS=Homo sapiens GN=RP9 PE=1 SV=2 - [RP9_HUMAN]                                                                              | 3.98 | 4.98  |
| F5GZQ4 | L-lactate dehydrogenase A chain (Fragment) OS=Homo sapiens GN=LDHA PE=1 SV=1 - [F5GZQ4_HUMAN]                                                              | 3.92 | 20.83 |
| Q5VVC9 | 60S ribosomal protein L11 (Fragment) OS=Homo sapiens GN=RPL11 PE=1 SV=1 - [Q5VVC9_HUMAN]                                                                   | 3.91 | 10.69 |
| B3KN82 | cDNA FLJ13913 fis, clone Y79AA1000231, highly similar to Nucleolar protein NOP5 OS=Homo sapiens PE=2 SV=1 - [B3KN82_HUMAN]                                 | 3.90 | 2.79  |
| P01275 | Glucagon OS=Homo sapiens GN=GCG PE=1 SV=3 - [GLUC_HUMAN]                                                                                                   | 3.82 | 11.11 |
| A1L1B8 | FSIP2 protein (Fragment) OS=Homo sapiens GN=FSIP2 PE=2 SV=1 - [A1L1B8_HUMAN]                                                                               | 3.79 | 13.85 |
| B3KY11 | cDNA FLJ46571 fis, clone THYMU3041428, highly similar to Probable ATP-dependent RNA helicase DDX23 (EC 3.6.1.-) OS=Homo sapiens PE=2 SV=1 - [B3KY11_HUMAN] | 3.70 | 2.00  |
| F5H7Y1 | T-complex protein 1 subunit alpha (Fragment) OS=Homo sapiens GN=TCP1 PE=1 SV=1 - [F5H7Y1_HUMAN]                                                            | 3.68 | 25.42 |
| Q5H9P4 | Putative uncharacterized protein DKFZp686M19106 (Fragment) OS=Homo sapiens GN=DKFZp686M19106 PE=4 SV=1 - [Q5H9P4_HUMAN]                                    | 3.67 | 1.41  |
| Q1LZN2 | NOMO3 protein (Fragment) OS=Homo sapiens GN=NOMO3 PE=2 SV=1 - [Q1LZN2_HUMAN]                                                                               | 3.64 | 1.36  |
| P11766 | Alcohol dehydrogenase class-3 OS=Homo sapiens GN=ADH5 PE=1 SV=4 - [ADHX_HUMAN]                                                                             | 3.61 | 4.28  |
| E0WBQ9 | MHC class I antigen (Fragment) OS=Homo sapiens GN=HLA-C PE=3 SV=1 - [E0WBQ9_HUMAN]                                                                         | 3.60 | 11.05 |
| Q59FN3 | Acyl-Coenzyme A dehydrogenase family, member 9                                                                                                             | 3.58 | 5.47  |

|            |                                                                                                                                        |      |       |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|------|-------|
|            | variant (Fragment) OS=Homo sapiens PE=2 SV=1 - [Q59FN3_HUMAN]                                                                          |      |       |
| A0A0U1RQV5 | Uncharacterized protein (Fragment) OS=Homo sapiens PE=4 SV=1 - [A0A0U1RQV5_HUMAN]                                                      | 3.56 | 21.82 |
| P02814     | Submaxillary gland androgen-regulated protein 3B OS=Homo sapiens GN=SMR3B PE=1 SV=2 - [SMR3B_HUMAN]                                    | 3.55 | 26.58 |
| A0A0C4DH52 | Constitutive coactivator of PPAR-gamma-like protein 1 (Fragment) OS=Homo sapiens GN=FAM120A PE=1 SV=1 - [A0A0C4DH52_HUMAN]             | 3.53 | 3.43  |
| A0A024R326 | Ribosomal protein L29, isoform CRA_a OS=Homo sapiens GN=RPL29 PE=4 SV=1 - [A0A024R326_HUMAN]                                           | 3.51 | 9.55  |
| M0QXM4     | Amino acid transporter OS=Homo sapiens GN=SLC1A5 PE=1 SV=1 - [M0QXM4_HUMAN]                                                            | 3.51 | 5.48  |
| P0C0S5     | Histone H2A.Z OS=Homo sapiens GN=H2AFZ PE=1 SV=2 - [H2AZ_HUMAN]                                                                        | 3.48 | 10.94 |
| E5RFH5     | Set1/Ash2 histone methyltransferase complex subunit ASH2 (Fragment) OS=Homo sapiens GN=ASH2L PE=1 SV=1 - [E5RFH5_HUMAN]                | 3.47 | 12.94 |
| S4R456     | 40S ribosomal protein S15 (Fragment) OS=Homo sapiens GN=RPS15 PE=1 SV=1 - [S4R456_HUMAN]                                               | 3.43 | 27.94 |
| B4DKX6     | cDNA FLJ53584, highly similar to Desmoplakin (Fragment) OS=Homo sapiens PE=2 SV=1 - [B4DKX6_HUMAN]                                     | 3.43 | 2.20  |
| H0Y8X1     | Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial (Fragment) OS=Homo sapiens GN=SDHA PE=1 SV=1 - [H0Y8X1_HUMAN] | 3.43 | 11.11 |
| Q6AZY7     | Scavenger receptor class A member 3 OS=Homo sapiens GN=SCARA3 PE=1 SV=1 - [SCAR3_HUMAN]                                                | 3.40 | 4.46  |
| A0A0S2Z4X1 | RNA binding motif protein 10 isoform 1 (Fragment) OS=Homo sapiens GN=RBM10 PE=2 SV=1 - [A0A0S2Z4X1_HUMAN]                              | 3.38 | 1.88  |
| P01833     | Polymeric immunoglobulin receptor OS=Homo sapiens GN=PIGR PE=1 SV=4 - [PIGR_HUMAN]                                                     | 3.36 | 2.62  |
| O60762     | Dolichol-phosphate mannosyltransferase subunit 1 OS=Homo sapiens GN=DPM1 PE=1 SV=1 - [DPM1_HUMAN]                                      | 3.36 | 6.15  |
| Q9UG16     | Putative uncharacterized protein DKFZp564P0562 (Fragment) OS=Homo sapiens GN=DKFZp564P0562 PE=2 SV=1 - [Q9UG16_HUMAN]                  | 3.35 | 0.91  |

|            |                                                                                                                                                  |      |       |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| E9PLX0     | Calpain-1 catalytic subunit (Fragment) OS=Homo sapiens GN=CAPN1 PE=1 SV=1 - [E9PLX0_HUMAN]                                                       | 3.34 | 14.75 |
| A0A075BTL2 | Endoplasmic reticulum aminopeptidase 1 delta-Exon-11 isoform OS=Homo sapiens GN=ERAP1 PE=2 SV=1 - [A0A075BTL2_HUMAN]                             | 3.21 | 2.37  |
| Q9HAP1     | Valosin-containing protein (Fragment) OS=Homo sapiens GN=VCP PE=2 SV=1 - [Q9HAP1_HUMAN]                                                          | 3.19 | 5.54  |
| Q86WX3     | Active regulator of SIRT1 OS=Homo sapiens GN=RPS19BP1 PE=1 SV=1 - [AROS_HUMAN]                                                                   | 3.16 | 9.56  |
| J3KTL8     | Structural maintenance of chromosomes flexible hinge domain-containing protein 1 (Fragment) OS=Homo sapiens GN=SMCHD1 PE=1 SV=1 - [J3KTL8_HUMAN] | 3.16 | 1.08  |
| A1XP52     | Catecholamine-regulated protein 40 OS=Homo sapiens PE=2 SV=1 - [A1XP52_HUMAN]                                                                    | 3.10 | 3.43  |
| A0A0S2Z4Q6 | Hydroxysteroid dehydrogenase 4 isoform 4 OS=Homo sapiens GN=HSD17B4 PE=2 SV=1 - [A0A0S2Z4Q6_HUMAN]                                               | 3.08 | 16.47 |
| Q1RMG2     | Adenosylhomocysteinase OS=Homo sapiens GN=AHCY PE=2 SV=1 - [Q1RMG2_HUMAN]                                                                        | 3.06 | 3.92  |
| H7C1I9     | Microtubule-associated serine/threonine-protein kinase 4 (Fragment) OS=Homo sapiens GN=MAST4 PE=1 SV=1 - [H7C1I9_HUMAN]                          | 3.05 | 0.95  |
| K7EJT5     | 60S ribosomal protein L22 (Fragment) OS=Homo sapiens GN=RPL22 PE=1 SV=1 - [K7EJT5_HUMAN]                                                         | 3.04 | 23.40 |
| Q9BVI4     | Nucleolar complex protein 4 homolog OS=Homo sapiens GN=NOC4L PE=1 SV=1 - [NOC4L_HUMAN]                                                           | 3.01 | 1.74  |
| H7C5W9     | Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (Fragment) OS=Homo sapiens GN=ATP2A2 PE=1 SV=1 - [H7C5W9_HUMAN]                              | 3.00 | 1.39  |
| A0A0A0MRQ5 | Peroxiredoxin-1 OS=Homo sapiens GN=PRDX1 PE=1 SV=1 - [A0A0A0MRQ5_HUMAN]                                                                          | 3.00 | 11.34 |
| H0Y8L8     | Probable ATP-dependent RNA helicase DDX41 (Fragment) OS=Homo sapiens GN=DDX41 PE=1 SV=1 - [H0Y8L8_HUMAN]                                         | 3.00 | 6.36  |
| E9PMJ3     | Ribonuclease inhibitor (Fragment) OS=Homo sapiens GN=RNH1 PE=1 SV=1 - [E9PMJ3_HUMAN]                                                             | 2.99 | 7.94  |
| F8VV32     | Lysozyme C OS=Homo sapiens GN=LYZ PE=1 SV=1 - [F8VV32_HUMAN]                                                                                     | 2.98 | 11.54 |

|            |                                                                                                                                                    |      |       |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| B4DN27     | cDNA FLJ57057, highly similar to Small subunit processome component 20 homolog OS=Homo sapiens PE=2 SV=1 - [B4DN27_HUMAN]                          | 2.97 | 2.40  |
| Q03252     | Lamin-B2 OS=Homo sapiens GN=LMNB2 PE=1 SV=4 - [LMNB2_HUMAN]                                                                                        | 2.97 | 1.61  |
| B3KNN7     | cDNA FLJ30049 fis, clone ADRGL1000033, highly similar to 26S proteasome non-ATPase regulatory subunit 3 OS=Homo sapiens PE=2 SV=1 - [B3KNN7_HUMAN] | 2.96 | 3.01  |
| B4DNS2     | cDNA FLJ51602, highly similar to Interferon-induced guanylate-binding protein 1 OS=Homo sapiens PE=2 SV=1 - [B4DNS2_HUMAN]                         | 2.92 | 3.36  |
| Q6P0M4     | IARS protein OS=Homo sapiens GN=IARS PE=2 SV=1 - [Q6P0M4_HUMAN]                                                                                    | 2.92 | 0.95  |
| B4DZH8     | cDNA FLJ50311, highly similar to Tumor necrosis factor, alpha-induced protein 2 OS=Homo sapiens PE=2 SV=1 - [B4DZH8_HUMAN]                         | 2.92 | 3.41  |
| B4E0F7     | cDNA FLJ61512 OS=Homo sapiens PE=2 SV=1 - [B4E0F7_HUMAN]                                                                                           | 2.91 | 4.58  |
| M0QZK8     | Uncharacterized protein OS=Homo sapiens PE=4 SV=1 - [M0QZK8_HUMAN]                                                                                 | 2.91 | 9.71  |
| A0A0A0MQZ6 | Ribosome biogenesis protein NSA2 homolog OS=Homo sapiens GN=NSA2 PE=1 SV=1 - [A0A0A0MQZ6_HUMAN]                                                    | 2.89 | 6.88  |
| A0A024QZT8 | Serpin peptidase inhibitor, clade B (Ovalbumin), member 6, isoform CRA_b OS=Homo sapiens GN=SERPINB6 PE=3 SV=1 - [A0A024QZT8_HUMAN]                | 2.86 | 7.51  |
| B4DFQ0     | cDNA FLJ60239, highly similar to Proto-oncogene tyrosine-protein kinase MER (EC 2.7.10.1) OS=Homo sapiens PE=2 SV=1 - [B4DFQ0_HUMAN]               | 2.86 | 4.52  |
| P62861     | 40S ribosomal protein S30 OS=Homo sapiens GN=FAU PE=1 SV=1 - [RS30_HUMAN]                                                                          | 2.84 | 18.64 |
| Q15365     | Poly(rC)-binding protein 1 OS=Homo sapiens GN=PCBP1 PE=1 SV=2 - [PCBP1_HUMAN]                                                                      | 2.84 | 3.65  |
| A0A0C4DGH5 | Cullin-associated NEDD8-dissociated protein 1 (Fragment) OS=Homo sapiens GN=CAND1 PE=1 SV=1 - [A0A0C4DGH5_HUMAN]                                   | 2.83 | 1.43  |
| Q4JFL9     | Protein S100 (Fragment) OS=Homo sapiens GN=FLG PE=2 SV=1 - [Q4JFL9_HUMAN]                                                                          | 2.81 | 10.87 |
| B4DWX8     | cDNA FLJ52669, highly similar to Regulator of G-protein signaling 9 OS=Homo sapiens PE=2 SV=1                                                      | 2.81 | 2.40  |

|            |                                                                                                                                                      |      |       |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
|            | - [B4DWX8_HUMAN]                                                                                                                                     |      |       |
| A7E2T1     | Uncharacterized protein (Fragment) OS=Homo sapiens PE=2 SV=1 - [A7E2T1_HUMAN]                                                                        | 2.80 | 13.39 |
| Q49AJ9     | RPL3 protein OS=Homo sapiens GN=RPL3 PE=2 SV=1 - [Q49AJ9_HUMAN]                                                                                      | 2.79 | 4.78  |
| A0A087X2D0 | Serine/arginine-rich-splicing factor 3 OS=Homo sapiens GN=SRSF3 PE=1 SV=1 - [A0A087X2D0_HUMAN]                                                       | 2.78 | 14.74 |
| B3KSC3     | cDNA FLJ35987 fis, clone TESTI2014269, highly similar to D-3-phosphoglycerate dehydrogenase (EC 1.1.1.95) OS=Homo sapiens PE=2 SV=1 - [B3KSC3_HUMAN] | 2.78 | 3.01  |
| D3DPU8     | Collagen, type IX, alpha 2, isoform CRA_a OS=Homo sapiens GN=COL9A2 PE=4 SV=1 - [D3DPU8_HUMAN]                                                       | 2.78 | 2.35  |
| B4E1D4     | cDNA FLJ54399, highly similar to Golgin subfamily A member 5 OS=Homo sapiens PE=2 SV=1 - [B4E1D4_HUMAN]                                              | 2.77 | 3.13  |
| Q4ZG72     | Putative uncharacterized protein DDX18 (Fragment) OS=Homo sapiens GN=DDX18 PE=3 SV=1 - [Q4ZG72_HUMAN]                                                | 2.76 | 1.83  |
| D6RHJ3     | Calnexin (Fragment) OS=Homo sapiens GN=CANX PE=1 SV=7 - [D6RHJ3_HUMAN]                                                                               | 2.76 | 20.25 |
| H3BUH7     | Fructose-bisphosphate aldolase A (Fragment) OS=Homo sapiens GN=ALDOA PE=1 SV=1 - [H3BUH7_HUMAN]                                                      | 2.76 | 9.03  |
| Q9Y657     | Spindlin-1 OS=Homo sapiens GN=SPIN1 PE=1 SV=3 - [SPIN1_HUMAN]                                                                                        | 2.76 | 3.82  |
| P15515     | Histatin-1 OS=Homo sapiens GN=HTN1 PE=1 SV=2 - [HIS1_HUMAN]                                                                                          | 2.75 | 28.07 |
| F8W0G4     | Poly(rC)-binding protein 2 (Fragment) OS=Homo sapiens GN=PCBP2 PE=1 SV=1 - [F8W0G4_HUMAN]                                                            | 2.75 | 8.23  |
| H0Y920     | Mastermind-like protein 3 (Fragment) OS=Homo sapiens GN=MAML3 PE=1 SV=1 - [H0Y920_HUMAN]                                                             | 2.75 | 8.06  |
| H0YFC6     | GTP-binding nuclear protein Ran (Fragment) OS=Homo sapiens GN=RAN PE=1 SV=1 - [H0YFC6_HUMAN]                                                         | 2.75 | 10.68 |
| O15327     | Type II inositol 3,4-bisphosphate 4-phosphatase OS=Homo sapiens GN=INPP4B PE=2 SV=4 - [INP4B_HUMAN]                                                  | 2.72 | 1.41  |
| B3KQH1     | cDNA FLJ90452 fis, clone NT2RP3001475, highly similar to Splicing factor 3B subunit 3 OS=Homo                                                        | 2.71 | 1.56  |

|        |                                                                                                                               |      |       |
|--------|-------------------------------------------------------------------------------------------------------------------------------|------|-------|
|        | sapiens PE=2 SV=1 - [B3KQH1_HUMAN]                                                                                            |      |       |
| F6UXX1 | Heterogeneous nuclear ribonucleoprotein Q (Fragment) OS=Homo sapiens GN=SYNCRIP PE=1 SV=1 - [F6UXX1_HUMAN]                    | 2.71 | 7.03  |
| P0C1S8 | Wee1-like protein kinase 2 OS=Homo sapiens GN=WEE2 PE=2 SV=2 - [WEE2_HUMAN]                                                   | 2.70 | 3.17  |
| B4DT32 | cDNA FLJ54383, highly similar to Valyl-tRNA synthetase (EC 6.1.1.9) OS=Homo sapiens PE=2 SV=1 - [B4DT32_HUMAN]                | 2.70 | 1.78  |
| Q7KZP0 | Catechol-O-methyltransferase OS=Homo sapiens PE=2 SV=1 - [Q7KZP0_HUMAN]                                                       | 2.68 | 30.95 |
| B4DSR0 | cDNA FLJ60080, highly similar to 130 kDa leucine-rich protein (LRP 130) (Fragment) OS=Homo sapiens PE=2 SV=1 - [B4DSR0_HUMAN] | 2.68 | 1.01  |
| B4DTH5 | cDNA FLJ55592, weakly similar to Sel-1 homolog OS=Homo sapiens PE=2 SV=1 - [B4DTH5_HUMAN]                                     | 2.67 | 3.53  |

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50      **Supplementary table 2. The information of HPV 11E7 interacted proteins in stable  
51 expression of HPV 11E7 HaCaT cells after transfection with poly(dA:dT).**

| Accession | Description                                                                           | Score  | Coverage |
|-----------|---------------------------------------------------------------------------------------|--------|----------|
| P06400    | Retinoblastoma-associated protein OS=Homo sapiens GN=RB1 PE=1 SV=2 - [RB_HUMAN]       | 297.41 | 27.48    |
| P28749    | Retinoblastoma-like protein 1 OS=Homo sapiens GN=RBL1 PE=1 SV=3 - [RBL1_HUMAN]        | 234.59 | 19.01    |
| B7ZMG8    | Uncharacterized protein OS=Homo sapiens PE=2 SV=1 - [B7ZMG8_HUMAN]                    | 204.79 | 15.66    |
| P19474    | E3 ubiquitin-protein ligase TRIM21 OS=Homo sapiens GN=TRIM21 PE=1 SV=1 - [RO52_HUMAN] | 201.07 | 18.53    |
| C9JIR6    | Protein phosphatase 1B (Fragment) OS=Homo sapiens GN=PPM1B PE=1 SV=1 - [C9JIR6_HUMAN] | 123.36 | 16.40    |

|        |                                                                                                                           |       |       |
|--------|---------------------------------------------------------------------------------------------------------------------------|-------|-------|
| Q8WUW7 | Pyruvate kinase (Fragment) OS=Homo sapiens<br>GN=PKM2 PE=2 SV=2 - [Q8WUW7_HUMAN]                                          | 78.43 | 21.28 |
| B0QYK0 | RNA-binding protein EWS OS=Homo sapiens<br>GN=EWSR1 PE=1 SV=1 - [B0QYK0_HUMAN]                                            | 71.82 | 9.39  |
| B7Z3V1 | Sodium/potassium-transporting ATPase subunit alpha (Fragment) OS=Homo sapiens PE=2 SV=1 - [B7Z3V1_HUMAN]                  | 58.31 | 9.22  |
| B3KML9 | cDNA FLJ11352 fis, clone HEMBA1000020, highly similar to Tubulin beta-2C chain OS=Homo sapiens PE=2 SV=1 - [B3KML9_HUMAN] | 56.57 | 19.14 |
| B4DW52 | cDNA FLJ55253, highly similar to Actin, cytoplasmic 1 OS=Homo sapiens PE=2 SV=1 - [B4DW52_HUMAN]                          | 55.52 | 22.19 |
| Q96RE1 | Translation elongation factor 1 alpha 1-like 14 OS=Homo sapiens GN=EEF1A1L14 PE=2 SV=1 - [Q96RE1_HUMAN]                   | 53.70 | 14.82 |
| Q0QET7 | Glyceraldehyde-3-phosphate dehydrogenase (Fragment) OS=Homo sapiens GN=GAPDH PE=2 SV=1 - [Q0QET7_HUMAN]                   | 52.15 | 26.09 |
| V9HWC6 | Peptidyl-prolyl cis-trans isomerase OS=Homo sapiens GN=HEL-S-39 PE=2 SV=1 - [V9HWC6_HUMAN]                                | 51.14 | 12.50 |
| B2RDD7 | Protein arginine N-methyltransferase 5 OS=Homo sapiens PE=2 SV=1 - [B2RDD7_HUMAN]                                         | 48.59 | 12.24 |
| Q9NXV2 | BTB/POZ domain-containing protein KCTD5 OS=Homo sapiens GN=KCTD5 PE=1 SV=1 - [KCTD5_HUMAN]                                | 47.96 | 26.50 |
| Q9BV28 | TUBB3 protein (Fragment) OS=Homo sapiens<br>GN=TUBB3 PE=2 SV=2 - [Q9BV28_HUMAN]                                           | 47.75 | 12.81 |

|            |                                                                                                                                                            |       |       |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
| A8K6H6     | cDNA FLJ76875, highly similar to Homo sapiens protein tyrosine phosphatase, non-receptor type 14 (PTPN14), mRNA OS=Homo sapiens PE=2 SV=1 - [A8K6H6_HUMAN] | 40.18 | 7.58  |
| Q6P1L8     | 39S ribosomal protein L14, mitochondrial OS=Homo sapiens GN=MRPL14 PE=1 SV=1 - [RM14_HUMAN]                                                                | 39.09 | 20.00 |
| Q8WUT1     | POLDIP3 protein OS=Homo sapiens GN=POLDIP3 PE=1 SV=1 - [Q8WUT1_HUMAN]                                                                                      | 38.89 | 15.72 |
| P27816     | Microtubule-associated protein 4 OS=Homo sapiens GN=MAP4 PE=1 SV=3 - [MAP4_HUMAN]                                                                          | 36.11 | 3.91  |
| E9PKE3     | Heat shock cognate 71 kDa protein OS=Homo sapiens GN=HSPA8 PE=1 SV=1 - [E9PKE3_HUMAN]                                                                      | 34.10 | 10.69 |
| A0A0U1RQF0 | Fatty acid synthase OS=Homo sapiens GN=FASN PE=4 SV=1 - [A0A0U1RQF0_HUMAN]                                                                                 | 33.87 | 0.96  |
| B3KU16     | cDNA FLJ39066 fis, clone NT2RP7014743, highly similar to HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN K OS=Homo sapiens PE=2 SV=1 - [B3KU16_HUMAN]              | 33.76 | 18.83 |
| F8VSC5     | SCY1-like protein 2 (Fragment) OS=Homo sapiens GN=SCYL2 PE=1 SV=1 - [F8VSC5_HUMAN]                                                                         | 29.76 | 8.22  |
| Q969I0     | KRT8 protein (Fragment) OS=Homo sapiens GN=KRT8 PE=2 SV=2 - [Q969I0_HUMAN]                                                                                 | 28.98 | 17.26 |
| B4DSZ9     | E3 ubiquitin-protein ligase TTC3 OS=Homo sapiens GN=TTC3 PE=1 SV=1 - [B4DSZ9_HUMAN]                                                                        | 28.88 | 2.61  |
| P30050     | 60S ribosomal protein L12 OS=Homo sapiens GN=RPL12 PE=1 SV=1 - [RL12_HUMAN]                                                                                | 28.12 | 19.39 |

|            |                                                                                                                                                 |       |       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
| Q99714     | 3-hydroxyacyl-CoA dehydrogenase type-2<br>OS=Homo sapiens GN=HSD17B10 PE=1 SV=3 -<br>[HCD2_HUMAN]                                               | 27.92 | 19.92 |
| E7EN95     | Filamin-B OS=Homo sapiens GN=FLNB PE=1<br>SV=1 - [E7EN95_HUMAN]                                                                                 | 27.51 | 2.16  |
| Q5JYR4     | Dolichyl-diphosphooligosaccharide--protein<br>glycosyltransferase subunit 2 (Fragment) OS=Homo<br>sapiens GN=RPN2 PE=1 SV=7 -<br>[Q5JYR4_HUMAN] | 26.82 | 17.37 |
| A8K9J7     | Histone H2B OS=Homo sapiens PE=2 SV=1 -<br>[A8K9J7_HUMAN]                                                                                       | 26.77 | 11.90 |
| F2Z2S8     | 40S ribosomal protein S3 OS=Homo sapiens<br>GN=RPS3 PE=1 SV=1 - [F2Z2S8_HUMAN]                                                                  | 26.43 | 29.06 |
| C9JLM5     | Serpin B5 (Fragment) OS=Homo sapiens<br>GN=SERPINB5 PE=1 SV=1 -<br>[C9JLM5_HUMAN]                                                               | 26.09 | 11.63 |
| Q13707     | ACTA2 protein (Fragment) OS=Homo sapiens<br>GN=ACTA2 PE=3 SV=1 - [Q13707_HUMAN]                                                                 | 24.16 | 9.70  |
| Q96P47     | Arf-GAP with GTPase, ANK repeat and PH<br>domain-containing protein 3 OS=Homo sapiens<br>GN=AGAP3 PE=1 SV=2 - [AGAP3_HUMAN]                     | 23.44 | 4.69  |
| F5H837     | Retinoblastoma-like protein 2 (Fragment)<br>OS=Homo sapiens GN=RBL2 PE=1 SV=2 -<br>[F5H837_HUMAN]                                               | 23.20 | 4.38  |
| Q2VPJ6     | HSP90AA1 protein (Fragment) OS=Homo sapiens<br>GN=HSP90AA1 PE=1 SV=1 -<br>[Q2VPJ6_HUMAN]                                                        | 23.15 | 8.21  |
| A0A024R599 | Solute carrier family 3 (Activators of dibasic and<br>neutral amino acid transport), member 2, isoform                                          | 22.94 | 7.29  |

|        |                                                                                                                              |       |       |
|--------|------------------------------------------------------------------------------------------------------------------------------|-------|-------|
|        | CRA_e OS=Homo sapiens GN=SLC3A2 PE=4<br>SV=1 - [A0A024R599_HUMAN]                                                            |       |       |
| B4DUP0 | cDNA FLJ59433, highly similar to Elongation factor 1-gamma OS=Homo sapiens PE=2 SV=1 - [B4DUP0_HUMAN]                        | 22.42 | 6.80  |
| Q9UHS8 | PRO1975 OS=Homo sapiens PE=2 SV=1 - [Q9UHS8_HUMAN]                                                                           | 22.03 | 7.12  |
| Q9Y2W1 | Thyroid hormone receptor-associated protein 3 OS=Homo sapiens GN=THRAP3 PE=1 SV=2 - [TR150_HUMAN]                            | 20.27 | 4.08  |
| Q86V81 | THO complex subunit 4 OS=Homo sapiens GN=ALYREF PE=1 SV=3 - [THOC4_HUMAN]                                                    | 18.38 | 7.00  |
| Q8IYY2 | KCTD2 protein (Fragment) OS=Homo sapiens GN=KCTD2 PE=2 SV=1 - [Q8IYY2_HUMAN]                                                 | 18.02 | 11.43 |
| Q02413 | Desmoglein-1 OS=Homo sapiens GN=DSG1 PE=1 SV=2 - [DSG1_HUMAN]                                                                | 17.34 | 1.53  |
| B4DN39 | cDNA FLJ53065, highly similar to T-complex protein 1 subunit zeta OS=Homo sapiens PE=2 SV=1 - [B4DN39_HUMAN]                 | 16.60 | 4.11  |
| F6IB50 | MHC class I antigen (Fragment) OS=Homo sapiens GN=HLA-A PE=4 SV=1 - [F6IB50_HUMAN]                                           | 16.25 | 14.13 |
| O15327 | Type II inositol 3,4-bisphosphate 4-phosphatase OS=Homo sapiens GN=INPP4B PE=2 SV=4 - [INP4B_HUMAN]                          | 16.12 | 1.41  |
| B4DH39 | cDNA FLJ57028, highly similar to Long-chain-fatty-acid--CoA ligase 4 (EC 6.2.1.3) OS=Homo sapiens PE=2 SV=1 - [B4DH39_HUMAN] | 15.42 | 5.08  |
| Q6J1T2 | Intersectin 1 isoform 7 (Fragment) OS=Homo                                                                                   | 15.09 | 5.70  |

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|--------|----------------------------------------------------------------------------------------------------------------------------------|-------|-------|
|        | sapiens      GN=ITSN1      PE=2      SV=1      -<br>[Q6J1T2_HUMAN]                                                               |       |       |
| B4DWX8 | cDNA FLJ52669, highly similar to Regulator of G-protein signaling 9 OS=Homo sapiens PE=2 SV=1 - [B4DWX8_HUMAN]                   | 14.99 | 2.40  |
| F8W0P7 | ATP synthase subunit beta, mitochondrial (Fragment) OS=Homo sapiens GN=ATP5B PE=1 SV=2 - [F8W0P7_HUMAN]                          | 13.50 | 5.19  |
| F8VV32 | Lysozyme C OS=Homo sapiens GN=LYZ PE=1 SV=1 - [F8VV32_HUMAN]                                                                     | 13.35 | 11.54 |
| B4DRH6 | cDNA FLJ54509, highly similar to Trifunctional enzyme subunit alpha, mitochondrial OS=Homo sapiens PE=2 SV=1 - [B4DRH6_HUMAN]    | 12.94 | 5.02  |
| Q9BS10 | Similar to ribosomal protein S8 (Fragment) OS=Homo sapiens PE=2 SV=1 -<br>[Q9BS10_HUMAN]                                         | 12.91 | 16.25 |
| B4DHT9 | cDNA FLJ58812, highly similar to Endoplasmic (Heat shock protein 90kDa beta member 1) OS=Homo sapiens PE=2 SV=1 - [B4DHT9_HUMAN] | 12.05 | 2.99  |
| B3KM90 | cDNA FLJ10529 fis, clone NT2RP2000965, highly similar to Targeting protein for Xklp2 OS=Homo sapiens PE=2 SV=1 - [B3KM90_HUMAN]  | 12.05 | 4.13  |
| Q9UNW1 | Multiple inositol polyphosphate phosphatase 1 OS=Homo sapiens GN=MINPP1 PE=1 SV=1 - [MINP1_HUMAN]                                | 11.88 | 4.52  |
| J3KTD9 | Fatty aldehyde dehydrogenase (Fragment) OS=Homo sapiens GN=ALDH3A2 PE=1 SV=1 - [J3KTD9_HUMAN]                                    | 11.78 | 19.35 |

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| Q9P172     | PRO2281 OS=Homo sapiens PE=2 SV=1 - [Q9P172_HUMAN]                                                                 | 11.47 | 9.73  |
| H0Y9R4     | 60S ribosomal protein L9 (Fragment) OS=Homo sapiens GN=RPL9 PE=1 SV=1 - [H0Y9R4_HUMAN]                             | 10.37 | 29.67 |
| A0A087WWP1 | Ras GTPase-activating-like protein IQGAP1 (Fragment) OS=Homo sapiens GN=IQGAP1 PE=1 SV=1 - [A0A087WWP1_HUMAN]      | 9.74  | 14.95 |
| Q5JSD2     | Voltage-dependent anion-selective channel protein 2 (Fragment) OS=Homo sapiens GN=VDAC2 PE=1 SV=7 - [Q5JSD2_HUMAN] | 9.74  | 6.67  |
| Q7Z5X3     | EIF3L protein OS=Homo sapiens GN=EIF3L PE=2 SV=2 - [Q7Z5X3_HUMAN]                                                  | 9.27  | 8.51  |
| P62081     | 40S ribosomal protein S7 OS=Homo sapiens GN=RPS7 PE=1 SV=1 - [RS7_HUMAN]                                           | 8.98  | 11.86 |
| P46783     | 40S ribosomal protein S10 OS=Homo sapiens GN=RPS10 PE=1 SV=1 - [RS10_HUMAN]                                        | 8.63  | 8.48  |
| Q68GS6     | Epidermal growth factor receptor (Fragment) OS=Homo sapiens GN=EGFR PE=2 SV=1 - [Q68GS6_HUMAN]                     | 8.60  | 3.57  |
| B4DRA2     | cDNA FLJ57828, highly similar to Treacle protein (Fragment) OS=Homo sapiens PE=2 SV=1 - [B4DRA2_HUMAN]             | 8.38  | 1.08  |
| Q86UM1     | Putative uncharacterized protein EIF3S9 (Fragment) OS=Homo sapiens GN=EIF3S9 PE=4 SV=1 - [Q86UM1_HUMAN]            | 7.61  | 15.06 |
| Q86Y46     | Keratin, type II cytoskeletal 73 OS=Homo sapiens GN=KRT73 PE=1 SV=1 - [K2C73_HUMAN]                                | 7.54  | 4.44  |
| H0YE40     | CD44 antigen (Fragment) OS=Homo sapiens                                                                            | 7.33  | 35.37 |

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|            | GN=CD44 PE=1 SV=1 - [H0YE40_HUMAN]                                                                                                               |      |       |
| J3QL15     | Ribosomal protein L19 (Fragment) OS=Homo sapiens GN=RPL19 PE=1 SV=1 - [J3QL15_HUMAN]                                                             | 7.21 | 13.28 |
| A0A075B6R9 | Protein IGKV2D-24 (Fragment) OS=Homo sapiens GN=IGKV2D-24 PE=4 SV=1 - [A0A075B6R9_HUMAN]                                                         | 6.66 | 10.83 |
| A0A024R409 | Microtubule-associated protein OS=Homo sapiens GN=MAP2 PE=4 SV=1 - [A0A024R409_HUMAN]                                                            | 6.54 | 5.10  |
| B2RAM6     | Kinesin-like protein OS=Homo sapiens PE=2 SV=1 - [B2RAM6_HUMAN]                                                                                  | 5.90 | 2.27  |
| B4DVK5     | cDNA FLJ54759, highly similar to DNA replication licensing factor MCM5 OS=Homo sapiens PE=2 SV=1 - [B4DVK5_HUMAN]                                | 5.76 | 3.16  |
| F8W0G4     | Poly(rC)-binding protein 2 (Fragment) OS=Homo sapiens GN=PCBP2 PE=1 SV=1 - [F8W0G4_HUMAN]                                                        | 5.73 | 8.23  |
| Q96J17     | NOLC1 protein OS=Homo sapiens GN=NOLC1 PE=2 SV=1 - [Q96J17_HUMAN]                                                                                | 5.69 | 2.63  |
| A8K525     | cDNA FLJ76817, highly similar to Homo sapiens non-POU domain containing, octamer-binding (NONO), mRNA OS=Homo sapiens PE=2 SV=1 - [A8K525_HUMAN] | 4.83 | 4.67  |
| F5H2D2     | Prohibitin-2 OS=Homo sapiens GN=PHB2 PE=1 SV=1 - [F5H2D2_HUMAN]                                                                                  | 4.46 | 19.54 |
| B4DJP0     | cDNA FLJ60601, highly similar to Methylosome protein 50 OS=Homo sapiens PE=2 SV=1 - [B4DJP0_HUMAN]                                               | 4.44 | 13.39 |

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| A0A0S2Z415 | Heat shock 60kDa protein 1 isoform 4 OS=Homo sapiens GN=HSPD1 PE=2 SV=1 - [A0A0S2Z415_HUMAN]                                           | 4.37 | 14.79 |
| A0A024QYX7 | Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3S8 PE=3 SV=1 - [A0A024QYX7_HUMAN]                          | 4.35 | 2.68  |
| Q86W20     | Protease serine 1 (Fragment) OS=Homo sapiens GN=PRSS1 PE=3 SV=1 - [Q86W20_HUMAN]                                                       | 4.34 | 23.81 |
| Q53GM6     | U5 snRNP-specific protein variant (Fragment) OS=Homo sapiens PE=2 SV=1 - [Q53GM6_HUMAN]                                                | 4.25 | 3.52  |
| E9PQI8     | U4/U6.U5 tri-snRNP-associated protein 1 OS=Homo sapiens GN=SART1 PE=1 SV=1 - [E9PQI8_HUMAN]                                            | 3.80 | 12.20 |
| A0A087WXU5 | Nucleolar protein of 40 kDa OS=Homo sapiens GN=ZCCHC17 PE=1 SV=1 - [A0A087WXU5_HUMAN]                                                  | 3.72 | 9.59  |
| Q6ZNL4     | FLJ00279 protein (Fragment) OS=Homo sapiens GN=FLJ00279 PE=2 SV=1 - [Q6ZNL4_HUMAN]                                                     | 3.67 | 2.31  |
| B3KUD7     | DNA helicase OS=Homo sapiens PE=2 SV=1 - [B3KUD7_HUMAN]                                                                                | 3.54 | 2.12  |
| H0Y8X1     | Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial (Fragment) OS=Homo sapiens GN=SDHA PE=1 SV=1 - [H0Y8X1_HUMAN] | 3.37 | 11.11 |
| E9PKC4     | Plakophilin-3 (Fragment) OS=Homo sapiens GN=PKP3 PE=1 SV=1 - [E9PKC4_HUMAN]                                                            | 3.36 | 7.61  |
| H0YMU6     | Phosphoenolpyruvate carboxykinase [GTP], mitochondrial (Fragment) OS=Homo sapiens                                                      | 3.31 | 14.95 |

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|            | GN=PCK2 PE=1 SV=1 - [H0YMU6_HUMAN]                                                                                               |      |       |
| A0A0S2Z4X1 | RNA binding motif protein 10 isoform 1 (Fragment)<br>OS=Homo sapiens GN=RBM10 PE=2 SV=1 -<br>[A0A0S2Z4X1_HUMAN]                  | 3.28 | 1.88  |
| S4R3N9     | Sideroflexin-3 OS=Homo sapiens GN=SFXN3<br>PE=1 SV=1 - [S4R3N9_HUMAN]                                                            | 3.26 | 7.34  |
| B4DNS2     | cDNA FLJ51602, highly similar to Interferon-induced guanylate-binding protein 1<br>OS=Homo sapiens PE=2 SV=1 -<br>[B4DNS2_HUMAN] | 3.23 | 3.36  |
| Q53T09     | Putative uncharacterized protein XRCC5<br>(Fragment) OS=Homo sapiens GN=XRCC5 PE=4<br>SV=1 - [Q53T09_HUMAN]                      | 3.22 | 2.11  |
| B5MD38     | Trifunctional enzyme subunit beta, mitochondrial<br>OS=Homo sapiens GN=HADHB PE=1 SV=1 -<br>[B5MD38_HUMAN]                       | 3.19 | 3.70  |
| R4GN64     | Calcium-binding mitochondrial carrier protein Aralar2 OS=Homo sapiens GN=SLC25A13 PE=1<br>SV=1 - [R4GN64_HUMAN]                  | 3.11 | 17.81 |
| F2Z2I2     | 6-phosphofructo-2-kinase/fructose-2,6-bisphosphate 3 OS=Homo sapiens GN=PFKFB3 PE=1 SV=1 -<br>[F2Z2I2_HUMAN]                     | 3.08 | 2.86  |
| Q5T8R3     | Monocarboxylate transporter 1 (Fragment)<br>OS=Homo sapiens GN=SLC16A1 PE=1 SV=1 -<br>[Q5T8R3_HUMAN]                             | 3.08 | 4.05  |
| Q5D862     | Filaggrin-2 OS=Homo sapiens GN=FLG2 PE=1<br>SV=1 - [FILA2_HUMAN]                                                                 | 3.05 | 0.50  |
| Q68DE0     | Putative uncharacterized protein DKFZp781D2217<br>OS=Homo sapiens GN=DKFZp781D2217 PE=2                                          | 3.04 | 4.70  |

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|            | SV=1 - [Q68DE0_HUMAN]                                                                                                                                                       |      |       |
| H0Y4T6     | Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4 (Fragment) OS=Homo sapiens<br>GN=PIN4 PE=1 SV=1 - [H0Y4T6_HUMAN]                                                     | 3.04 | 13.19 |
| Q7Z5Y0     | EIF4B protein (Fragment) OS=Homo sapiens<br>GN=EIF4B PE=2 SV=1 - [Q7Z5Y0_HUMAN]                                                                                             | 3.02 | 4.58  |
| G3XAN0     | 40S ribosomal protein S20 OS=Homo sapiens<br>GN=RPS20 PE=1 SV=1 - [G3XAN0_HUMAN]                                                                                            | 3.01 | 18.75 |
| H0YPE8     | Serpin H1 (Fragment) OS=Homo sapiens<br>GN=SERPINH1 PE=1 SV=1 -<br>[H0YPE8_HUMAN]                                                                                           | 3.01 | 21.43 |
| Q75L23     | Putative uncharacterized protein PSMC2 (Fragment) OS=Homo sapiens GN=PSMC2 PE=3<br>SV=1 - [Q75L23_HUMAN]                                                                    | 3.00 | 3.18  |
| Q9NV86     | cDNA FLJ10873 fis, clone NT2RP4001730, weakly similar to UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE (EC 2.4.1.-) (Fragment) OS=Homo sapiens PE=2 SV=1 -<br>[Q9NV86_HUMAN] | 2.97 | 1.10  |
| D3DWL0     | Plectin 1, intermediate filament binding protein 500kDa, isoform CRA_b OS=Homo sapiens<br>GN=PLEC1 PE=4 SV=1 - [D3DWL0_HUMAN]                                               | 2.96 | 0.76  |
| H7C1I9     | Microtubule-associated serine/threonine-protein kinase 4 (Fragment) OS=Homo sapiens<br>GN=MAST4 PE=1 SV=1 - [H7C1I9_HUMAN]                                                  | 2.96 | 0.95  |
| A0A0A0MSD6 | Teneurin-3 OS=Homo sapiens GN=TENM3 PE=1<br>SV=1 - [A0A0A0MSD6_HUMAN]                                                                                                       | 2.95 | 0.83  |
| Q9BTC0     | Death-inducer obliterator 1 OS=Homo sapiens<br>GN=DIDO1 PE=1 SV=5 - [DIDO1_HUMAN]                                                                                           | 2.94 | 0.76  |

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| E5RJH3 | 60S ribosomal protein L30 OS=Homo sapiens<br>GN=RPL30 PE=1 SV=1 - [E5RJH3_HUMAN]                                                                                       | 2.93 | 21.43 |
| Q15365 | Poly(rC)-binding protein 1 OS=Homo sapiens<br>GN=PCBP1 PE=1 SV=2 - [PCBP1_HUMAN]                                                                                       | 2.92 | 3.65  |
| H0YD14 | Myoferlin (Fragment) OS=Homo sapiens<br>GN=MYOF PE=1 SV=1 - [H0YD14_HUMAN]                                                                                             | 2.91 | 0.85  |
| P62861 | 40S ribosomal protein S30 OS=Homo sapiens<br>GN=FAU PE=1 SV=1 - [RS30_HUMAN]                                                                                           | 2.88 | 18.64 |
| Q6ZQN2 | cDNA FLJ46846 fis, clone UTERU3004635, moderately similar to Neuroblast differentiation associated protein AHNAK (Fragment) OS=Homo sapiens PE=2 SV=1 - [Q6ZQN2_HUMAN] | 2.85 | 0.82  |
| B3KU66 | cDNA FLJ39263 fis, clone OCBBF2009571, highly similar to ATP-dependent RNA helicase A (EC 3.6.1.-) OS=Homo sapiens PE=2 SV=1 - [B3KU66_HUMAN]                          | 2.85 | 2.91  |
| Q9BSE8 | ZNF607 protein OS=Homo sapiens GN=ZNF607 PE=2 SV=1 - [Q9BSE8_HUMAN]                                                                                                    | 2.83 | 6.41  |
| Q9H369 | PRO1633 OS=Homo sapiens PE=2 SV=1 - [Q9H369_HUMAN]                                                                                                                     | 2.83 | 6.56  |
| A8MV73 | Activating transcription factor 7-interacting protein 1 (Fragment) OS=Homo sapiens GN=ATF7IP PE=1 SV=2 - [A8MV73_HUMAN]                                                | 2.82 | 5.24  |
| B4DW08 | cDNA FLJ50886, highly similar to Aconitate hydratase, mitochondrial(EC 4.2.1.3) OS=Homo sapiens PE=2 SV=1 - [B4DW08_HUMAN]                                             | 2.82 | 2.65  |
| Q7Z6E9 | E3 ubiquitin-protein ligase RBBP6 OS=Homo sapiens GN=RBBP6 PE=1 SV=1 - [RBBP6_HUMAN]                                                                                   | 2.82 | 0.84  |

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| P81605     | Dermcidin OS=Homo sapiens GN=DCD PE=1<br>SV=2 - [DCD_HUMAN]                                                         | 2.80 | 10.00 |
| M0QXI6     | RuvB-like 2 (Fragment) OS=Homo sapiens<br>GN=RUVBL2 PE=1 SV=1 - [M0QXI6_HUMAN]                                      | 2.80 | 11.01 |
| Q5T4L4     | 40S ribosomal protein S27 OS=Homo sapiens<br>GN=RPS27 PE=1 SV=1 - [Q5T4L4_HUMAN]                                    | 2.80 | 19.70 |
| A0A024R9T5 | HCG20693, isoform CRA_a OS=Homo sapiens<br>GN=hCG_20693 PE=3 SV=1 -<br>[A0A024R9T5_HUMAN]                           | 2.78 | 9.46  |
| B7Z1C9     | Chaperonin containing TCP1, subunit 7 (Eta),<br>isoform CRA_a OS=Homo sapiens GN=CCT7<br>PE=2 SV=1 - [B7Z1C9_HUMAN] | 2.77 | 3.86  |
| Q6ZU52     | Uncharacterized protein KIAA0408 OS=Homo sapiens<br>GN=KIAA0408 PE=1 SV=1 -<br>[K0408_HUMAN]                        | 2.75 | 2.59  |
| B5LY67     | Uridine monophosphate synthetase isoform E<br>OS=Homo sapiens GN=UMPS PE=2 SV=1 -<br>[B5LY67_HUMAN]                 | 2.75 | 2.92  |
| G3V4V5     | E3 ubiquitin-protein ligase HECTD1 (Fragment)<br>OS=Homo sapiens GN=HECTD1 PE=1 SV=1 -<br>[G3V4V5_HUMAN]            | 2.75 | 1.62  |