Gene Name (TPM4. FHL1重复，存在空缺值)差異蛋白
KRT1
KRT18
TGM2
KRT9
TPM4
DDX3Y
THBS1
EPPK1
FHL1
ALCAM
VAT1
KRT16
KRT14
KRT7
CNN1
MYLK
LIMCH1
FHL1
SERPINB6
TAGLN3
CRIP2
ITGA3
NEFM
HLA-B
MAPRE2
KRT13
EDIL3
MCAM
BGN
KRT34
TIMP3
SORBS2
HBB
CRYAB
TPM4
SULT1E1
TYMP
CAST
A2M
RTN1
HIST1H1A
IL1B
TF
FABP4
S100A4
ADH1B
MGST1
ARHGDIB
TWSG1
差异基因，SYT15存在两个基因。

| gene_symbol | Accession | Gene_Name |
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| RILPL1      | KRT18     | P05783    |
|             | DDX3Y     | P15523    |
|             | THBS1     | P07996    |
|             | EPPK1     | P58107    |
|             | FHL1      | Q5JXI8    |
|             | KRT14     | P02533    |
|             | KRT7      | P08729    |
|             | CNN1      | P51911    |
|             | MYLK      | Q15746    |
|             | LIMCH1    | Q9UFXO    |
|             | CRIP2     | P52943    |
|             | ITGA3     | P26006    |
|             | NEFM      | E7ESP9    |
|             | HLA-B     | Q95365    |
|             | EDIL3     | O43854    |
|             | MCAM      | P43121    |
|             | BGN       | P21810    |
|             | TIMP3     | P35625    |
|             | SORBS2    | 094875    |
|             | CRYAB     | E9PR44    |
|             | SULT1E1   | P49888    |
|             | RTN1      | Q16799    |
|             | IL1B      | P01584    |
|             | S100A4    | P26447    |
|             | MGST1     | P10620    |
|             | TWSG1     | Q9GZX9    |
|             | RBP1      | P09455    |
|             | CDH13     | P55290    |
|             | CADM1     | Q9BY67    |
|             | ANXA10    | Q9UIJ2    |
|             | AKAP17A   | Q02040    |
|             | SORBS1    | A0A01URQ1|
|             | PPP1R14A  | Q96A00    |
|             | SAMD9     | C9JKF1    |
|             | MGAT5     | Q09328    |
|             | COL8A1    | P27658    |
|             | SP140L    | I7BYP4    |
|             | PSMB9     | A2ACR1    |
|             | AGRN      | A0A087X2C|
|             | GMPR      | P36959    |
|             | JAG1      | P78504    |
|             | PLIN2     | Q99541    |
|             | SULT1B1   | 043704    |

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FOX1L1
ECM1
NRN1
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MAP3K3
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JSRP1
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YARS
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ADGRL2
SMURF1
PHC2
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COTL1
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CPEB2
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QSOX1
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GABPB2
CAPN15
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FAT1
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EYA2
SIMC1
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EHD1
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CARHSP1
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TTYH3
PLN
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KCNK2
RBM20
NDFIP2
PCGF2
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SERP1NB7
GBX2
CHN2
HCFC1R1
LIN7A
A1BG
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FAH
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LURAP1L
TNFSF13B
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CAPG
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LINC00900
PDXDC1
HAND2
LINC01197
AC007563.5
PDLIM4
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GNG11
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AC005943.6
DENND4B
MROH7–TTC4
FBX06
COL12A1
SLC39A14
COL4A2
SMTN
PHLDA1
KIAA2012

9-Mar

HOXD3
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DLX1
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SAP30L–AS1
GLI1PR1
PRSS3
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GK
CHD4
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DMPK
FBX022
PLEKHG5
RTF1
PGM1
AGA
TMEM128
THUMP2
ALDH1L1
ABCA3
WASF1
LIN52
SPAG9
RUFY1
PDPR
MCM9
PREP
IL17D
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GRB10
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CCNC
CDCA3
CRLF3
C14orf1
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GSTT2
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SENP3–EIF4A1
ZNF587
LINC01085
CNRIP1
PGAM1
ARHGEF10
PAMR1
SNTA1
STK26
RICTOR
RASA3
NUCKS1
IDH1
PRPS1
CHML
DRAM1
GP1BB
CTB-109A12.1
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LMO2
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VPS26A
ASAP2
ST6GALNAC3
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MGARP
PEAK1
ABT1
MARK1
AHDC1
MCM3AP-AS1
IL10RB
HRASLS
BCAR3
TMED2
MEGF6
LINC01123
TWIST1
RGMB
LINC01116
KY
GALNT13
MICAL3
ELOVL5
TRPC1
CH507-513H4.6
SGMS2
P2RX5-TAX1BP3
CABLES1
SAMD1
CELSR2
UBASH3B
E2F3
RUSC2
CPEB1
PXDC1
ASAHI
SFRP1
KCNAB1
PKDCC
TNFAIP2
PSMB9
RP5-1172A22.1
LACTB2
RP11-154D6.1
CCDC74A
SLC38A2
SPOCK3
PHACTR2
TRABD2A
PSMB8-AS1
NMT1
G0S2
MUM1
HNRNPA1
SERPINB1
RP11-462G12.1
RP11–54A9.1
LRRRC17
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ESRRA
DSEL
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KLFL10
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SHC3
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ALG3
GOLPH3
NHSL1
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CTH
PFKP
RBP1
APBB2
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MALT1
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CHCHD3
PDPN
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TCN2
ZFPM1
PPP2R2B
QRSL1
ACTR3C
KPNB1
PCMTD2
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RUNX3
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RSP02
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GPBAR1
WRNIP1
RNF212
SEZ6L2
STRADB
IFNAR1
MICB
RRN3P1
SAPCD1
CNN2
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SH3BP5L
CDH10
SLC12A8
NR2F6
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PVRL3
GD11
ATXN1
BAP1
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ZPLD1
SGCE
ZNF264
CYB561
MAGEF1
ZSWIM8
ID2
SNTG2
KLHD8B
TBC1D2B
CTD–2228K2.7
TMEM262
CST3
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SAMD9
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BCR
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ITFG1
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CAMK2B
MPR1P
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FAM20A
ARAP1
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FUNDC1
FGD4
LDOC1L
HSPB2-C11orf52
PDGFA
TIFA
ABHD10
CAPN5
CCDC122
ERBB2
UBE2V2
ZNF804A
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FAM118A
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MAATS1
NCS1
IRS2
ZNF214
MTPAP
SULF2
IRAK1
LANCL3
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ARHGDIA
AKAP2
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FAM168A
UNC119B
AQP11
ZBED4
RP11-400K9.4
LMOD1
RP11-366M4.11
FBRSL1
B3GAT1
PCOLCE2
LRRG61
BLVRB
BCL2L1
B3GALT2
BDH2
SOD3
KIAA0196
CMIP
CERKL
RPL39L
ITGA11
UBE2D3
FARP1
AC004076.5
KMT2B
ABALON
MAP3K7
LMTK2
SESTD1
NAB2
PPP1R26
ABCC4
FGF5
TMEM251
RP11-70L8.5
THAP5
DDIAS
TNFRSF9
NIPA2
CPED1
ABCC9
LINC00506
GNA13
OC1AD2
C8orf4
MROH8
TPST1
IPO7
TNFRSF11A
NELFB
PKD1P6
TRAV39
GNAQ
STAT6
EPHB6
SLC7A8
BGN
SOGA1
CTD-2231E14.2
SULT1E1
MYO6
GUCA1A
PARP2
MMEL1
PLEC
NBPF20
FOXF1
TIMP1
ARHGAP21
EIF5B
PPP6R1
| Descriptive | Coverage | # Peptides | # PSMs | # Unique AAs | MW [kDa] | calc. pI | Score | Sec |
|-------------|----------|------------|--------|--------------|----------|---------|-------|-----|
| Keratin,    | 71       | 34         | 124    | 33           | 430      | 48      | 5.45  | 393.54 |
| ATP-depen   | 41       | 27         | 47     | 3            | 660      | 73.1    | 7.55  | 143.71 |
| Thrombosp   | 24       | 27         | 34     | 27           | 1170     | 129.3   | 4.94  | 95.28  |
| Epipilakin  | 23       | 26         | 34     | 20           | 5088     | 555.3   | 5.62  | 87.14  |
| Four and    | 60       | 12         | 36     | 4            | 257      | 29.1    | 8.27  | 108.96 |
| Four and    | 43       | 9          | 29     | 1            | 210      | 23.7    | 8.59  | 74.67  |
| Keratin,    | 33       | 18         | 26     | 4            | 472      | 51.5    | 5.16  | 76.86  |
| Keratin,    | 32       | 16         | 47     | 12           | 469      | 51.4    | 5.48  | 131.84 |
| Calponin-   | 45       | 11         | 21     | 10           | 297      | 33.2    | 9.07  | 71.29  |
| Myosin li   | 10       | 15         | 23     | 15           | 1914     | 210.6   | 6.15  | 66.8   |
| LIM and c   | 16       | 15         | 19     | 15           | 1083     | 121.8   | 6.47  | 42.74  |
| Cysteine-   | 39       | 5          | 11     | 5            | 208      | 22.5    | 8.72  | 44.52  |
| Integrin    | 7        | 7          | 12     | 7            | 1051     | 116.5   | 6.77  | 37.55  |
| Neurofila   | 11       | 11         | 32     | 10           | 877      | 98.3    | 4.86  | 92.61  |
| HLA class   | 30       | 8          | 14     | 1            | 362      | 40.4    | 6.3   | 41.17  |
| EGF-like    | 22       | 9          | 11     | 9            | 480      | 53.7    | 7.28  | 34.99  |
| Cell surf   | 14       | 8          | 11     | 8            | 646      | 71.6    | 5.76  | 32.79  |
| Biglycan    | 20       | 6          | 8      | 5            | 368      | 41.6    | 7.52  | 26.79  |
| Metallopr   | 32       | 7          | 17     | 7            | 211      | 24.1    | 8.72  | 36.73  |
| Sorbin an   | 9        | 7          | 9      | 7            | 1100     | 124     | 8.31  | 22.73  |
| Alpha-cry   | 30       | 5          | 16     | 5            | 174      | 20      | 7.03  | 29.74  |
| Estrogen    | 27       | 8          | 11     | 8            | 294      | 35.1    | 6.62  | 28.78  |
| Reticulon   | 13       | 7          | 9      | 7            | 776      | 83.6    | 4.69  | 22.99  |
| Interleuk   | 21       | 5          | 8      | 5            | 269      | 30.7    | 4.83  | 22.24  |
| Protein S   | 26       | 3          | 6      | 3            | 101      | 11.7    | 6.11  | 16.07  |
| Microsome   | 9        | 2          | 4      | 2            | 155      | 17.6    | 9.39  | 16.37  |
| Twisted g   | 17       | 3          | 5      | 3            | 223      | 25      | 5.34  | 17.4   |
| Retinol-b   | 30       | 4          | 4      | 4            | 135      | 15.8    | 5.11  | 10.88  |
| Cadherin-   | 7        | 5          | 6      | 5            | 713      | 78.2    | 4.98  | 7.39   |
| Cell adhe   | 6        | 3          | 3      | 3            | 442      | 48.5    | 5.07  | 6.83   |
| Annexin A   | 8        | 2          | 2      | 2            | 324      | 37.3    | 5.33  | 6.33   |
| A-kinase    | 4        | 3          | 3      | 3            | 695      | 80.7    | 9.73  | 3.86   |
| Sorbin an   | 3        | 1          | 1      | 1            | 507      | 58      | 6.99  | 4.03   |
| Protein p   | 12       | 2          | 2      | 2            | 147      | 16.7    | 9.38  | 4.92   |
| Sterile a   | 2        | 2          | 6      | 1            | 1283     | 148.7   | 7.14  | 6.01   |
| Alpha-1,6   | 1        | 1          | 1      | 1            | 741      | 84.5    | 8.12  | 2.73   |
| Collagen    | 1        | 1          | 1      | 1            | 744      | 73.3    | 9.61  | 2.61   |
| Nuclear b   | 3        | 2          | 2      | 1            | 520      | 60.5    | 8.46  | 2.56   |
| Proteasom   | 5        | 1          | 1      | 1            | 196      | 20.9    | 4.89  | 2.08   |
| Agrin OS-   | 1        | 1          | 1      | 1            | 1930     | 202.2   | 6.37  | 2.2    |
| GMP reduc   | 3        | 1          | 1      | 1            | 345      | 37.4    | 7.06  | 2.03   |
| Protein j   | 1        | 1          | 1      | 1            | 1218     | 133.7   | 6.06  | 2.33   |
| Perilipin   | 2        | 1          | 1      | 1            | 437      | 48      | 6.8   | 2.73   |
| Sulfotran   | 4        | 1          | 1      | 1            | 296      | 34.9    | 7.06  | 1.94   |
| UCA2  | UCA3  | UCA4  | WJ1  | WJ2  | WJ3  | P-value | FC   |
|-------|-------|-------|------|------|------|---------|------|
| 108.3 | 108.6 | 106   | 63.5 | 63   | 64.6 | 1.29E-06 | 1.689691 |
| 119.4 | 126.4 | 131.3 | 69.5 | 78.3 | 79.1 | 0.000413 | 1.661966 |
| 107.5 | 107   | 105.7 | 66.9 | 66.1 | 67.1 | 3.39E-07 | 1.6602  |
| 116.4 | 116.1 | 119.8 | 68.2 | 68.6 | 72.3 | 1.11E-05 | 1.68484 |
| 108.1 | 109.7 | 108.6 | 50.5 | 48.7 | 51.2 | 3.06E-07 | 2.170213 |
| 94.2  | 88.9  | 94.4  | 51.2 | 53.9 | 51.3 | 3.6E-05  | 1.774297 |
| 128.1 | 132.1 | 128.7 | 78.7 | 77.3 | 81   | 6.68E-06 | 1.640928 |
| 85    | 84.3  | 82.5  | 131.4| 128.9| 127.6| 6.79E-06 | 0.650142 |
| 103.2 | 100.9 | 102.2 | 67.6 | 66.1 | 67.4 | 1.75E-06 | 1.523123 |
| 114.2 | 110.7 | 114.9 | 72.8 | 76.2 | 77.3 | 3.57E-05 | 1.501547 |
| 124.9 | 125.8 | 125.1 | 62   | 60.7 | 59.7 | 9.31E-08 | 2.060307 |
| 130.9 | 133.1 | 128.6 | 85.1 | 82.1 | 80.5 | 1.34E-05 | 1.584982 |
| 116.6 | 113.9 | 114.3 | 73.4 | 71.3 | 73.5 | 2.81E-06 | 1.580202 |
| 59.8  | 56.8  | 57.3  | 168.3| 166.9| 167.7| 4.36E-08 | 0.345794 |
| 134.8 | 122.1 | 119.6 | 61.4 | 77   | 73.3 | 0.001175 | 1.77846 |
| 117.3 | 115.6 | 118.4 | 75.8 | 74.7 | 73.8 | 1.85E-06 | 1.566206 |
| 127.1 | 126.6 | 129.4 | 69.3 | 71.9 | 71.7 | 1.2E-06  | 1.799436 |
| 130.3 | 128.6 | 124.5 | 77.5 | 73.1 | 74.7 | 1.64E-05 | 1.701731 |
| 63.1  | 60.2  | 58.7  | 112  | 110.2| 113  | 4.8E-06  | 0.542959 |
| 111.1 | 115.4 | 119.1 | 61.7 | 70   | 63.5 | 0.000126 | 1.770492 |
| 129.7 | 132.7 | 128.3 | 50.8 | 50.8 | 50.2 | 4.43E-07 | 2.573781 |
| 150.9 | 152.2 | 152.1 | 62.2 | 63.5 | 64.1 | 2.34E-08 | 2.398314 |
| 69.9  | 62.6  | 63.6  | 117.5| 134.9| 127.7| 0.000379 | 0.515917 |
| 109.2 | 103.1 | 101.6 | 59.4 | 65.9 | 60.7 | 0.000153 | 1.687634 |
| 63.8  | 65.1  | 63.4  | 135.7| 136.4| 131.3| 1.93E-06 | 0.476698 |
| 73.7  | 79.8  | 66.8  | 132.1| 127.1| 126  | 0.000196 | 0.571911 |
| 77.8  | 77.6  | 79    | 125.2| 125.6| 123.1| 8.03E-07 | 0.626906 |
| 55.9  | 53.2  | 60.1  | 171.4| 166.1| 164.5| 2.77E-06 | 0.337052 |
| 133.4 | 125.8 | 123   | 76.3 | 75   | 76.2 | 8E-05    | 1.68 |
| 73.8  | 74.1  | 71.6  | 115.6| 121.4| 118  | 1.7E-05  | 0.61831 |
| 76    | 70.1  | 54.1  | 138.7| 136.4| 138.3| 0.000417 | 0.484277 |
| 98.5  | 120.2 | 88.8  | 136.6| 178.3| 169.6| 0.019939 | 0.634765 |
| 144.2 | 126.8 | 120.8 | 59.5 | 57.7 | 47   | 0.0007   | 2.386114 |
| 121.4 | 122.8 | 125.3 | 36.4 | 28.8 | 39.7 | 1.35E-05 | 3.522402 |
| 133.9 | 113.1 | 150   | 72.5 | 67.8 | 68.2 | 0.004326 | 1.904077 |
| 83.7  | 92.7  | 70.4  | 127.3| 156.2| 139.8| 0.005124 | 0.583038 |
| 101   | 110.9 | 96.8  | 61.9 | 53.4 | 40.8 | 0.002369 | 1.977578 |
| 113.3 | 139.9 | 134.2 | 81.1 | 84.6 | 82.7 | 0.004724 | 1.559581 |
| 147.1 | 123.7 | 137.8 | 83.7 | 71.2 | 82.9 | 0.001976 | 1.718251 |
| 72.2  | 83.2  | 76.1  | 122.2| 114.5| 119  | 0.000454 | 0.650829 |
| 136.4 | 124.6 | 126   | 75.7 | 50.6 | 82.5 | 0.004632 | 1.853448 |
| 146   | 124.3 | 164.2 | 52.5 | 61.1 | 66.3 | 0.002254 | 2.415231 |
| 84.8  | 82    | 75    | 139.7| 135  | 147.8| 0.000221 | 0.572308 |
| 131   | 143.6 | 110.1 | 74.7 | 84.5 | 82.1 | 0.009418 | 1.594281 |
