

## Appendix-A

### List of Proteins exclusively expressed in THP-1, M1, M2, MMe from Mass Spectrometry

|                 |            |            |            |
|-----------------|------------|------------|------------|
| Exclusively THP | GATC       | ALDH2      | A0A494C0L6 |
| NUDT4           | CIKS       | LA         | F8WCY6     |
| F168B           | SGTA       | A0A024QZP7 | C9JU14     |
| J3QLD1          | A0A2R8Y3X5 | E9PK47     | MPRD       |
| H3BS66          | E7EUW9     | TRBM       | VATB2      |
| A0A0G2JPF8      | E5RIA0     | G3V3F8     | E9PND2     |
| UMAD1           | Q5TFJ7     | G3V3U5     | MUTA       |
| KIF2A           | SNX2       | F5GZS6     | E9PBS1     |
| DX39A           | PFD1       | PTPRC      | EST1       |
| AIP             | Q5VZB4     | F16P1      | TBG1       |
| B0QY59          | H7C4X8     | B9ZVX7     | G3V2F2     |
| J3KSY2          | E7ET14     | K7EN66     | SAHH       |
| CBX4            | H3BPC6     | SP9        | HAP40      |
| IPO5            | HMMR       | D6R9X7     | KTHY       |
| DNM1L           | VAMP4      | H7BZT7     | U3KPS2     |
| IMA4            | RM33       | A0A2R8Y783 | J3KQ69     |
| C9JDH9          | F8WEA6     | E9PFD2     | NFYB       |
| NOP56           | B4DDR8     | F8WF02     | H0YJU4     |
| H7C4F6          | ERLN1      | F8WB70     | H0Y426     |
| UBE2C           | NDUS3      | B7ZB02     | G3V3M6     |
| I3L505          | A0A499FJI4 | PABP1      | A2ACR0     |
| COPE            | A0A494C1A5 | A0A087WVS4 | B4DJ81     |
| Q9BR14          | A0A3B3IRW3 | FCG2A      | MK01       |
| NDC80           | B4DYP1     | XRCC5      | A0A0G2JKR7 |
| SCAM3           | ST65G      | COX41      | E9PQW1     |
| GEMI2           | E5RFX7     | H7BYX6     | 2AAB       |
| XPO1            | ERLN2      | J3QQR8     | FCERG      |
| PLXB2           | E9PKN0     | ITA4       | PURA2      |
| E7ET15          | ZRAB2      | B7ZBK6     | A0A1B0GWJ0 |
| A0A087WU14      | ZWINT      | H7BZ35     | A0A087X1I3 |
| SCAM2           | LC7L3      | B1AH78     | 3HIDH      |
| D6RDJ3          | VAPB       | MCP        | J3QKT4     |
| TIF1A           | E5RIJ3     | H0YFA9     | ICAM3      |
| A0A087WVB7      | H0Y5C0     | E9PQ63     | E5RG31     |
| H9KV31          | K7EIE8     | E9PE82     | B1AHB1     |
| MAGB2           | NDUBA      | MGMT       | CD68       |
| NUP42           | ANGT       | FAAA       | H7C5I3     |
| D6RFH4          | RASK       | C9JMY1     | RFA3       |
| ZW10            | F8WBE5     | B1AMW1     | C9JZI1     |
| R4GMU8          | CPNS1      | GGT1       | RFC2       |
| K7ERW9          | MT1E       | K7ESL0     | SPRE       |
| J3KN37          | GLPC       | H3BV19     | A0A1C7CYY0 |

|            |            |            |            |
|------------|------------|------------|------------|
| HMGCL      | M0R0K7     | A0A0C4DGE4 | H7C5G1     |
| ARL3       | RRP1       | KCAB2      | P3H1       |
| K7EJE8     | AT5EL      | CTBP1      | F8WCG5     |
| F8WE71     | C9JX57     | IKZF1      | TBB8       |
| E9PC71     | G3V1T4     | FKBP5      | FA98B      |
| U3KQA2     | H3BQ50     | H0YE97     | Q5T4K5     |
| PEX19      | UB2G2      | MTX1       | A0A1B0GVY6 |
| RFC3       | RAB2A      | B8ZZS2     | A0A3B3IUC9 |
| A0A2R8Y4F5 | Q5T179     | IRF5       | SGO2       |
| LPPRC      | X6RFL8     | STIM1      | HS904      |
| A0A0C4DFS8 | ARP2       | H0YK42     | FGD3       |
| RAGP1      | RAP1B      | RAB31      | TJAP1      |
| A0A0G2JL47 | K9J957     | CD166      | COX20      |
| I3L0N3     | COPZ1      | DX39B      | EXOS6      |
| GLYG       | A0A087WTT6 | A0A3B3ITC2 | F8W895     |
| GSH0       | RBX1       | A0A2R8YE50 | RBM26      |
| K7EJR3     | E9PKZ0     | C9JES6     | A0A2R8YEC1 |
| AL9A1      | J3QRU4     | A0A1W2PPX5 | CROL2      |
| LMAN1      | DYLT1      | A0A0G2JMS7 | GFI1B      |
| A0A0U1RQF0 | H0Y9P0     | R4GNG3     | H0Y496     |
| B3KVN2     | IGBP1      | B0S8I6     | ECM29      |
| Q6P2S0     | SIRBL      | RBM39      | J3QQY0     |
| F8WBU2     | D3DQV9     | MCM6       | CPIN1      |
| CTCF       | F5GWF6     | M0R007     | THOC7      |
| A0A087WUL2 | GSTO1      | PSF1       | LTOR1      |
| PSB2       | H7C5F2     | H3BQC6     | D6RG15     |
| RBM25      | B5MD17     | H0Y8C4     | H0YC55     |
| GUAA       | RHOG       | MEF2D      | SCMC1      |
| F8W7U8     | VLDLR      | E9PNC7     | CEP85      |
| HNMT       | TF2B       | PAF15      | EMB        |
| IDH3A      | TIAR       | H7C2Y0     | H0Y5M5     |
| E9PKH2     | FLI1       | F5H431     | AFTIN      |
| B4DXZ6     | TFAP4      | A0A4W8VX11 | YJ005      |
| K7ES89     | K7EJ37     | NADC       | VP13C      |
| F8VR31     | SATB1      | PUM3       | UB2R2      |
| A0A0A0MT03 | A0A1B0GU86 | CNN3       | C9J188     |
| IMA1       | E9PKY8     | MARE2      | E9PJK6     |
| GDS1       | A0A087WTZ5 | M0R2H7     | TRM1L      |
| RPB11      | B4DWT1     | A0A2R8YFL4 | H7C238     |
| BIEA       | H0YE29     | H3BTM3     | MYCPP      |
| A0A087WX41 | BST1       | PSMD5      | MAVS       |
| CCHL       | MPPA       | 2A5E       | COMD6      |
| A8MXQ1     | B4DY09     | B4E0K5     | HAUS6      |
| H0YLV8     | Q4TT37     | D6RIE8     | A0A087WVL4 |
| SYRC       | PAK1       | A0A0A0MRG8 | RAB44      |
| AT1B3      | FADD       | C9JP85     | H7C4V0     |
| C9JEY0     | H7C3T4     | H3BQW8     | T179B      |
| F8VY35     | H3BPR2     | A0A087WYS1 | G3V4C3     |

|            |            |            |            |
|------------|------------|------------|------------|
| C9JP15     | PBIP1      | RIOK2      | H0YBP8     |
| KTN1       | EXOS8      | KIFC1      | BAZ1A      |
| A0A0C4DGH5 | PINX1      | THIC       | ADPPT      |
| SPAS2      | OTUL       | SFXN3      | SERC1      |
| CACL1      | PLD4       | A0A087X0M4 | CNBP1      |
| STX12      | H7C331     | CDCA4      | SYIM       |
| I2BP1      | HAUS1      | Q5T6R1     | ECHD1      |
| A0A0A0MRP0 | RMD1       | RT26       | ABHDA      |
| ANKH1      | F8WEF8     | NSD3       | E7EVI1     |
| A0A087WT00 | K7EQ55     | ASPC1      | Q4ZFW0     |
| SKA3       | A8MTF7     | CD244      | F8WCU6     |
| CI040      | PTCD3      | G3V1C3     | CC50A      |
| J3QRH2     | F5H4Z7     | TTYH3      | H3BP78     |
| F8WBE0     | CHMP6      | J3QS03     | DDX18      |
| P20D2      | A0A0A0MR47 | PAIP1      | K7ELW9     |
| K7EIS1     | B7Z6D5     | F8W1E5     | SLTM       |
| H3BV11     | DDR GK     | K7EMY7     | PIHD1      |
| MMGT1      | SCLY       | CARD9      | COMD8      |
| COMD1      | ABHEB      | C9K058     | NHP2       |
| PAF1       | CK5P3      | A0A087WZZ7 | MED29      |
| H0Y6Y8     | A0A0A0MR70 | G5E965     | K7EQY6     |
| K7ERQ7     | UB2E2      | TMX1       | A0A1W2PQ43 |
| C9JCB7     | H0YG47     | UN45A      | A0A1B0GV57 |
| H3BSZ7     | FER3L      | DNJC5      | PDXL2      |
| Q5T3I4     | CITE4      | E5RGQ3     | F120A      |
| RN214      | DMTA2      | A0A087WUS4 | HPBP1      |
| I3L4Q1     | MPP8       | Q5T5I6     | F8VUB4     |
| NGDN       | I3L245     | ZN644      | OGFR       |
| D6RGJ2     | TSNAX      | B4DHR0     | COMD9      |
| TDRD7      | F5GY37     | CC134      | C9J8X5     |
| COQ8A      | E9PGT6     | H0YG79     | PLCE1      |
| MICA1      | PMYT1      | VISTA      | JCAD       |
| C9JUG3     | Q5JR89     | A6NHH0     | RRBP1      |
| RPGF6      | C9JYK5     | PHAX       | A0A087WWC8 |
| CTL1       | H0YJJ9     | CAAP1      | D6RF48     |
| GBF1       | TBA1C      | SFXN1      | ZN219      |
| H0Y3Z4     | CPPED      | PARVG      | M0QZS6     |
| UBXN4      | K7ENE3     | SPC25      | K7ERF1     |
| NDRG1      | CAB45      | I3L3Q4     | PEF1       |
| GCN1       | PSF3       | C9JM54     | F5H4Z0     |
| HMHA1      | F8WC14     | C9JU35     | C9JUJ0     |
| AKAP1      | HAUS8      | LZTL1      | F8WBF9     |
| HDAC2      | D6RD63     | H7C446     | SUN2       |
| CBP        | L7N2F4     | J3QRX9     | DACH1      |
| GSLG1      | E9PPH5     | D6RAN1     | XPO7       |
| TNPO1      | MMTA2      | B7ZC39     | SLAF5      |
| UB2E3      | C9J5C3     | H0Y580     | DDX41      |
| CCD47      | G3V1B6     | B1AKL4     | GGA2       |

|                       |            |            |            |
|-----------------------|------------|------------|------------|
| STML2                 | A0A1W2PPS8 | LRRF2      | A0A140T9S9 |
| H0YA89                | LTOR2      | D6RD69     | C9JYN0     |
| H3BN59                | J3QRU8     | H0Y630     | E9PL71     |
| NDRG2                 | A0A087X0K1 | Q75MG1     | E9PPM3     |
| H0YD73                | RRP15      | DC1L1      | G3XAC6     |
| L10K                  | BOLA1      | E9PE96     | H0YNJ9     |
| FOXJ3                 | H0YH33     | DDX49      | I1E4Y6     |
| I3L4D8                | K7ELZ8     | A0A087X192 | J3QRM4     |
| RUVB2                 | AFG32      | A0A0C4DG68 | R4GN18     |
| CLC11                 | LSM5       | A0A0A6YYL4 |            |
| A0A1W2PS02            | NUBP2      | A0A0G2JMH7 |            |
| PSF2                  | A0A087WTY9 | A0A0G2JQ10 |            |
| <b>Exclusively M1</b> | G3V2V7     | E9PQD7     | B1AUU8     |
| NCF1C                 | A0A499FJK2 | TIMP2      | C9J3L8     |
| CSKMT                 | IFNG       | C9JBT4     | NOTC1      |
| B8ZZ81                | A0A0G2JMH6 | C9JW52     | RL27A      |
| CDKA1                 | 2B1F       | F8WBS5     | B3KYB7     |
| E9PK05                | A0A0A0MSV6 | EGR1       | CEBPA      |
| A0A2R8Y7U1            | CXL10      | E9PDD2     | RGS3       |
| NPC1                  | 2B11       | C9JEL4     | GSK3B      |
| PJA2                  | E7ER71     | M0R299     | SERPH      |
| H0YB53                | D3DSM0     | C9JEH7     | Q5T0S4     |
| K7EML9                | A0A096LNZ9 | A0A0U1RR39 | H0Y6E1     |
| E9PJP4                | E9PGX9     | A0A1W2PRL9 | C9J4S4     |
| C9J8T4                | H2B3B      | M0R080     | IDH3G      |
| H7C144                | ODPA       | D3DQ64     | C9J2P0     |
| SMCA5                 | E9PHT9     | H7BZ26     | C9JQX9     |
| D6RFW9                | RM03       | H3BVD2     | H0Y903     |
| CCNT1                 | B4E1S2     | B3KQV6     | E9PMI6     |
| A0A087WXL0            | B4DEH5     | G5EA36     | K7EQ16     |
| LPXN                  | CISD3      | I3L276     | M0QZM9     |
| CATL2                 | GRL1A      | F5H367     | F5GZQ3     |
| B7ZM87                | H3BNY7     | E5RGV5     | ELL        |
| DJC13                 | K7EJH3     | A6NIW5     | F8VVB5     |
| DNJB6                 | CCL3       | GBP1       | A0A3B3IRQ9 |
| F5H5N1                | I3L0S5     | H0YIZ0     | EIF3B      |
| F8W642                | OSTP       | C9JBA9     | C9JJT5     |
| LRCH4                 | ESTD       | A0A087WUV8 | E9PIB2     |
| J3QSV6                | IRF1       | C9JLS9     | F8WDW3     |
| A0A087WW74            | XRCC6      | C9J8H1     | D6R9F6     |
| H0YAF5                | E9PMJ3     | CDN1A      | A0A1B0GWD0 |
| A0A087WZX2            | C9J830     | B8ZZ51     | J3KMY5     |
| M0R261                | H0YHN7     | A0A2R8YG21 | F8VYK5     |
| TBCD8                 | RSMB       | STAT1      | SUMO2      |
| A0A087WT34            | I23O1      | D6REC7     | J3QSE0     |
| K7EJ57                | F5H4C6     | MTOR       | M0R210     |

|            |            |            |            |
|------------|------------|------------|------------|
| I3L0W5     | LIPM       | F8WE13     | K7ERM9     |
| H0YJC0     | MAP1S      | F5GYS3     | K7EJQ8     |
| D6RCB3     | H3BUG4     | V9GYF5     | I2BPL      |
| C9JZN1     | H0YMR5     | A6NG10     | B8ZZ77     |
| R39L5      | I3L3Q2     | A0A087WXN4 | H3BV85     |
| I3L397     | EDC4       | I3L4I0     | PKHF2      |
| D3DTZ5     | H7BZW2     | ERLEC      | A0A0U1RR19 |
| F8VQ14     | ALKB5      | H0Y3K4     | CBX8       |
| B0QZ36     | GGYF2      | F5GXG4     | H0YM60     |
| B1APE1     | Q96J85     | ATPMD      | EXOS3      |
| E7ETC0     | E7ETY4     | EAF1       | H0YBA8     |
| D6RIV7     | C9JVB6     | VCIP1      | HOME3      |
| B1APP6     | E9PI52     | GBP5       | H0Y9P1     |
| A0A494C1G8 | D6RCK3     | UIF        | A9IYQ1     |
| E7ES87     | ZFY16      | CLCC1      | K7EML3     |
| I3L1P8     | A0A2R8Y880 | SIN3A      | C9IZC3     |
| X6RFN3     | CENPV      | AEDO       | H0YBW3     |
| CXCL9      | GGN        | NMNA3      | NLE1       |
| K7ERZ6     | PARG       | H0YNQ5     | WDR70      |
| C9JXV0     | Q86YM6     | K7ELJ8     | D6RDK6     |
| MYO1E      | M0R3G9     | ARI3A      | CDK12      |
| LCP2       | PHF6       | A0A0G2JMS5 | CISD1      |
| A0A087WX29 | UBR2       | C9JQV0     | PD1L1      |
| D6RHU2     | MILK2      | E5RH13     | E5RHF4     |
| C9JD53     | A0A087X0G5 | TACO1      | DIP2B      |
| PEBB       | F8WCX2     | H7C5V1     | CT2NL      |
| G5E9M9     | B4DV37     | PAGR1      | A2A2S5     |
| UBP10      | MIA40      | Q5TB19     | SYLC       |
| MTF1       | E9PLI6     | M0R3F1     | NPS3A      |
| E9PQX9     | K7EMZ9     | H0YN78     | F8VS07     |
| H3BPG5     | BHE22      | TM109      | AGRE2      |
| G3XAN4     | ZNRF2      | GGACT      | H0Y638     |
| A0A0U1RRH9 | A8MUE1     | Q9NW25     | RALY       |
| IF16       | ABHD4      | LS14B      | H0YM70     |
| C9K0J2     | NDNF       | CARD6      | KDIS       |
| A0A1W2PNM1 | GOGA5      | A2A2L5     | NEB1       |
| A0A087WSW9 | ZFAN1      | H0YAX3     | PA2GD      |
| A0A0A0MQU1 | RS4Y2      | A0A1W2PPE5 | E5RHE1     |
| AAK1       | A0A0D9SEU2 | PITM3      | E9PFN5     |
| C9JRR5     | H7C2S2     | J3KRY8     | E5RGC7     |
| K7EQB2     | F5H105     | ZDHC5      | COA3       |
| H7C0Y9     | H3BMR1     | WDR33      | AP3M1      |
| TGO1       | E5RFP0     | H0YJW7     | TR150      |
| J3KRD8     | H3BUF6     | EGLN1      | IRS2       |
| LRIF1      | PHIP       | TWSG1      | CRBG1      |
| RM02       | ABCAA      | C9JU19     | PCDB4      |
| H7C124     | SORL       | E7EQ69     | H0YJ55     |
| RIF1       | M0R3H5     | ILKAP      | H7C4H2     |

|                       |            |            |            |
|-----------------------|------------|------------|------------|
| E9PL88                | A0A1W2PNZ7 | F5H4H1     | M0QX77     |
| Q5THN1                | A0A499FIZ0 | G3V2C0     | Q9HB66     |
| ALG5                  | D6RHJ3     | H0Y7R8     | S4R341     |
| ZNT1                  | E9PLX0     | H0YFV5     | X5CMH5     |
| A2AAY8                | E9PPM1     | J3KP75     |            |
| <b>Exclusively M2</b> | A0A087WWU9 | G5E972     | TRA2A      |
| A0A096LNJ1            | H3BU88     | K7EMEO     | H7C071     |
| H0Y8S8                | LYAG       | Q5T7N0     | E9PDQ5     |
| WASH3                 | A0A087WTT1 | E7ENZ3     | E5RFN8     |
| U17L6                 | H9KV75     | C9J050     | Q5QP23     |
| PP13G                 | U3KPX1     | G3V3Z8     | C9J9W2     |
| J3QS92                | H3BR35     | H7C4S4     | H0YKX3     |
| H0YDT6                | ARSA       | A6NLM8     | Sept2      |
| E5RK00                | C9JNS9     | RIDA       | A0A494C0L2 |
| U3KPY7                | H7C3P4     | H7C547     | H0YC17     |
| PSDE                  | RS2        | A0A494C0B4 | ARHG6      |
| MPP10                 | IBP2       | F5H4R6     | M0QXS6     |
| M0R061                | C9JPM4     | H7C2G0     | PCM1       |
| H0Y586                | ATF1       | K7EJL6     | C9JCJ5     |
| A0A0A0MR68            | M0R1U8     | E5RIP1     | Q5SZ64     |
| F1T0I1                | H0YDI1     | PSA6       | K7EMT0     |
| LSM1                  | D6RH30     | UB2D3      | A0A1W2PNZ9 |
| I3L2F8                | CCNA2      | H3BVC7     | TAB1       |
| DC1L2                 | IBP4       | E9PS50     | DREB       |
| E9PK52                | CES1P      | F5H018     | A0A1W2PQ55 |
| T22D2                 | E9PPU1     | A0A0B4J213 | H7C463     |
| GGCT                  | MYL9       | D6RHJ5     | C9J6V3     |
| CILP1                 | F8VNX4     | EF1A3      | A0A2R8Y820 |
| CSDE1                 | K7EJL0     | A0A2R8Y7C0 | C9JXM3     |
| TIPRL                 | K7ENG2     | RBM6       | A0A075B6G8 |
| K7ER90                | A2ACR1     | RAE1L      | J3KP30     |
| CBR3                  | I3L3X7     | K7ELA4     | X6RGJ2     |
| SASH1                 | F5H5H9     | SRSF3      | FKB15      |
| E5RG77                | A0A3B3IRQ7 | A0A1W2PPS1 | CAMP1      |
| A6NH27                | F5H6A0     | E9PI38     | SDHF4      |
| E5RK64                | C9JLK0     | C9J6B6     | F8W7U3     |
| A0A0C4DGD2            | 1433S      | F8VUA6     | TWF2       |
| NUD14                 | G3V241     | D6RIU4     | FSTL4      |
| MBD3                  | M0R0Z3     | SPP24      | H7BZ50     |
| MT2                   | E9PKD2     | E7EQZ7     | ZCHC8      |
| SLPI                  | K7EKS1     | PRDX4      | E5RID7     |
| B7Z4L4                | ODO2       | SRSF9      | ZN449      |
| E7ERC4                | F2Z393     | NMI        | CP087      |
| LIPL                  | H0Y6E7     | K7EN45     | TMED8      |
| A0A1B0GW44            | C9JA17     | H0Y9J2     | D6REK3     |
| H0YKS4                | Q5QNY5     | H0YDB2     | RFIP1      |

|                        |            |            |            |
|------------------------|------------|------------|------------|
| C9JHW1                 | F8VYZ3     | A0A3B3ISJ3 | Q5QPM1     |
| CD109                  | K7ER24     | F5H1F6     | B4E3S0     |
| CL17A                  | H7BZS7     | NCOA5      | AKP8L      |
| ASGL1                  | SNX18      | CD209      | H3BTX1     |
| RSRC2                  | H3BV23     | EXOS4      | G3V4X3     |
| D6RC22                 | B4DDF4     | B8ZZ09     | CHIP       |
| CF120                  | H0YLY7     | A2A2M0     | H0Y720     |
| A0A087WX58             | E7EQM7     | D6RF83     | H0Y4T6     |
| A0A087X0Q1             | D6RA77     | DBLOH      | C9JGR9     |
| KHDC4                  | M0QX71     | D6RELO     | TMA7       |
| LYSM2                  | G3V1E2     | S6FRS6     | STRAP      |
| SYNPO                  | R4GN15     | H7C4M1     | H7BZ77     |
| MACOI                  | H3BUD2     | E7EPX0     | ZN330      |
| GALD1                  | AN32E      | TXLNG      | J3QSB5     |
| SUMF2                  | M0R0M3     | ARGL1      | CCDC9      |
| C9IYQ7                 | RFIP5      | H7BXE3     | A0A2R8Y4N2 |
| CI043                  | H7C5R5     | M0QXD5     | E9PF19     |
| CO040                  | C9J6C5     | J3QSY4     | M0QXB0     |
| IRGQ                   | A0A0D9SF63 | A0A286YEX5 | B7Z6P0     |
| Q5QPM9                 | IPKB       | NDE1       | A0A087WZ02 |
| ARHG2                  | A0A087WUN7 | UBAP1      | K7EQG2     |
| GLMN                   | H7C2I8     | TREM2      | A0A140T9G0 |
| TF3C6                  | TARA       | C9J1C6     | B4DDD6     |
| A0A087WYW6             | SLK        | VPS54      | E7EVA0     |
| B8ZZ75                 | PPIL3      | A0A087WVV2 | E9PK54     |
| REPS1                  | GCP60      | A0A0A0MQW0 | K7ENF0     |
| ESS2                   | Q5VZR0     | F8VQE1     | Q5T0I0     |
| J3KQY4                 | H0Y6F5     | K7EK18     | V9GZ20     |
| DPH3                   | RABE2      | FKBPL      |            |
| <b>Exclusively MMe</b> | ADEC1      | C9IZG4     | HLAB       |
| F5H4Q5                 | J3QSC4     | SHOX2      | K7ERI9     |
| CK098                  | Q5T8U5     | K7EIG1     | K2C6B      |
| V9GYQ3                 | H0YFZ4     | PDCD6      | H2A1C      |
| PSD11                  | H0YJV7     | C9JAZ1     | F8VP50     |
| J3KN29                 | TOX2       | B4DGZ4     | A6NL93     |
| IF2B3                  | MAFG       | C9JP16     | S4R3A2     |
| H3BUM8                 | A0A0G2JKZ1 | B4DQA8     | E9PFL9     |
| E9PND6                 | R113A      | Q8N1B9     | A0A087WZZ9 |
| ADA10                  | A0A087WWN8 | Q5VZZ6     | C9JH19     |
| PDCD5                  | D6RBD7     | A0A2R8Y6N2 | ANXA2      |
| QCR8                   | A0A087WV26 | F2Z2Y6     | F5GZI0     |
| A0A087X1U9             | M0R0C1     | K7EKG4     | Q5JPU0     |
| ZN646                  | A0A2R8Y4G4 | F5GXY2     | E9PF06     |
| K7EPA0                 | GANP       | B1AHF3     | THIK       |
| E5RJ47                 | PHLP1      | ATP6       | SRP19      |
| C9JTT6                 | B7Z5P7     | C9J0E4     | Q6P452     |

|            |            |            |            |
|------------|------------|------------|------------|
| B1AHA8     | GARS       | RL38       | ACOX1      |
| H0YKK0     | ACTY       | E5RJR5     | PEA15      |
| COX6C      | J3KPM9     | D6RAU2     | E5RGQ4     |
| GCOM2      | I3L297     | CSK2B      | RBBP5      |
| RO60       | H7C2T1     | ACTS       | PCBP2      |
| U3KQT1     | E9PLL6     | H0YD77     | F5GWN1     |
| UMPS       | C9JUG7     | Q5TA02     | MYLK       |
| RALB       | C9JF46     | CCL20      | M0QXM4     |
| A0A494C1T2 | E9PPM9     | RT35       | H2A2C      |
| H7BYV1     | A0A087WXQ8 | RT09       | RTN1       |
| GLU2B      | A0A087WVV1 | Q5JSL0     | C9JTZ5     |
| H0YA62     | G3V4F2     | E9PCM6     | B9A067     |
| HNRPL      | TMEDA      | C9JHS9     | TUSC1      |
| E9PEK8     | E9PLA6     | E9PPG2     | E2QRI1     |
| ARSB       | F10A1      | M0R0P7     | RM51       |
| A6XND1     | E5RIK2     | UPAR       | BCL7A      |
| RL35A      | K7EIP6     | GLGB       | Q5VZS7     |
| RL7        | SCNND      | PRDX1      | CCD92      |
| B1AKB1     | H7C1W2     | I3L3Q7     | OCAD2      |
| H3BSA1     | K7ERJ9     | H0YGB8     | H0YD16     |
| TYPH       | H7C061     | RHG01      | SYAM       |
| C9JB90     | IMA5       | E7ETC2     | ATD3C      |
| MX2        | D6RBC6     | LG3BP      | GPTC4      |
| F5GXE0     | TXTP       | D6RDX1     | HECD3      |
| H3BSU0     | RPAB4      | TRAP1      | F5H6I7     |
| A0A087X296 | J3QQT6     | TP4A2      | CPZIP      |
| IBP5       | B5MD38     | K7EJM5     | E5RH86     |
| RPB1       | U3KQ90     | D6RAX2     | A0A0A0MTS8 |
| H0YMZ1     | F8VUX1     | H0YDP7     | TP8L2      |
| Q8IV96     | H3BQQ4     | ILK        | PDXD1      |
| A2ABF4     | MAZ        | PNOC       | K7ELX9     |
| G3V5Q1     | CMC4       | KRR1       | TTC33      |
| X5D2R7     | R4GN43     | F5GXJ9     | G3V5I6     |
| T2EB       | SC61G      | BLMH       | MET7B      |
| HMOX2      | S10AA      | A0A0D9SEN7 | A6PWM2     |
| B1AH87     | G3V4F7     | D6RDG0     | A0A087WUX8 |
| LSP1       | PSME3      | F8W708     | H32        |
| C9JW96     | MGN        | F8WAK2     | RS27L      |
| E9PE54     | NPC2       | A6NC58     | SND1       |
| A0A494C1A0 | F8W651     | A8MXP8     | C9JV57     |
| B4DFG0     | H3BRV9     | FRG1       | EIF3M      |
| E9PD35     | PP1B       | H0YEH2     | D6R966     |
| K7EK49     | RUXE       | H3BNL0     | A6PW30     |
| E9PS69     | RAB1A      | F5H6X6     | RM55       |
| F8W1Z8     | RS15       | D6RIZ4     | RM10       |
| ETV6       | C9JD14     | NOLC1      | A0A0M3HER2 |
| C9JCD9     | SUMO1      | Q6NSM0     | F5H8A0     |
| E7EUI7     | F8VXL2     | B5MCX3     | H0YJZ8     |

|            |            |            |            |
|------------|------------|------------|------------|
| AROS       | F8VX60     | SSU72      | A0A0G2JM38 |
| TXND6      | Z512B      | A0A087WY55 | A0A2R8Y4T7 |
| B1AJQ6     | G3V3S2     | NOP10      | A0A2R8Y699 |
| B4DVK3     | R4GNG8     | HINT3      | A0A2R8Y707 |
| I3L294     | A0A0C4DGQ6 | F8WF70     | A0A2R8Y8B5 |
| SVBP       | M0R149     | HEBP1      | A0A3B3IU42 |
| RYBP       | VPS35      | E5RHI8     | A0A3B3IU58 |
| SIM20      | Q5T1P5     | F207A      | B1AK87     |
| E9PE85     | K7EJE9     | H3BTB3     | D6RB98     |
| H0YBU8     | C10        | MED9       | E5RI56     |
| F8WEX5     | Q5T9P8     | U3KQ24     | E9PL57     |
| PGLT1      | CCL19      | GAR1       | H3BN98     |
| SCPDL      | M0QYE0     | NOP53      | H3BPG6     |
| UXS1       | A0A0A0MRT2 | E9PJ95     | H3BQD1     |
| PI42C      | CHCH7      | E5RIZ4     | J3KS19     |
| MORC4      | RPP25      | RBM27      |            |
| H3BQZ5     | VAMP8      | R4GN54     |            |
| E7EVX8     | DUS23      | S18L2      |            |
| H7C4S1     | Q5JQQ4     | LTOR3      |            |
| K7ES95     | HIG2A      | E9PL19     |            |
| RTF1       | E9PQI5     | MSRA       |            |
| F168A      | RM13       | H3BMN6     |            |
| DOCK2      | NOG1       | X6REM1     |            |
| H0Y641     | UBL5       | ZN346      |            |
| A0A075B7D9 | DDX24      | H0YHL7     |            |
| A0A2R8Y855 | H3BPH9     | MAFF       |            |
| ZN622      | F8SNU7     | VPS4A      |            |
| E9PH05     | K7EK40     | H3BTA3     |            |
| RPE        | K7ER15     | K7EQB1     |            |
| A0A0B4J1R7 | RM18       | R4GNE6     |            |
| ARL8B      | WDR13      | M0R0Z0     |            |
| RUSD4      | BORG4      | POMP       |            |
| E9PMG1     | IFG15      | K7EPV0     |            |
| A0A087WUN5 | F5GWT4     | RT07       |            |
| RM38       | H0YKV4     | TMED5      |            |
| RMXL1      | E9PIQ4     | B1AMU3     |            |
| RM53       | H3BMV3     | RT16       |            |
| S4R3P5     | S4R2X2     | K7EY1      |            |
| EDC3       | B0QYM9     | RN114      |            |
| KIF12      | TAF9B      | I3L521     |            |
| F6RY50     | EMAL4      | YTHD2      |            |
| A0A087WYH5 | GLOD4      | PAXB1      |            |
| H0Y8S5     | CENPJ      | PCDA5      |            |
| PGAM5      | A0A0G2JM88 | G3V2S6     |            |
| A0A0A0MRX2 | K7ENS1     | B4DJI7     |            |
| H0Y852     | F8VUA2     | RT18B      |            |
| COG3       | XAGE1      | H0Y8X7     |            |
| A0A2R8Y4S6 | C9JDF5     | E9PFE3     |            |

## Appendix B Solutions

### 1. RIPA Buffer

|             |       |
|-------------|-------|
| NaCl        | 150mM |
| NP40        | 1%    |
| Glycerol    | 1%    |
| Tris (pH 8) | 50mM  |
| EDTA        | 5mM   |
| SDS         | 0.1%  |

Aliquote and store at -20°C.

### 2. 30% Acrylamide

|               |       |
|---------------|-------|
| Acrylamide    | 29.2g |
| Bisacrylamide | 0.8g  |
| Total volume  | 100ml |

### 3. Resolving Gel Buffer (4X, pH 8.8)

|              |        |
|--------------|--------|
| Tris Base    | 30.4g  |
| HCl          | for pH |
| Total volume | 100ml  |

### 4. Stacking Gel Buffer (4X, pH 6.8)

|              |        |
|--------------|--------|
| Tris Base    | 12.08g |
| HCl          | for pH |
| Total volume | 100ml  |

### 5. 10% SDS

10gm SDS in 100ml distilled water

### 6. Running Buffer (10X, pH 8.8)

|              |        |
|--------------|--------|
| Tris Base    | 30.4g  |
| Glycine      | 144g   |
| SDS          | 10g    |
| Total volume | 1000ml |

### 7. Transfer Buffer (chilled)

|              |        |
|--------------|--------|
| Tris Base    | 3.03g  |
| Glycine      | 14.4g  |
| Methanol     | 200ml  |
| Total volume | 1000ml |

First dissolve in water, then add methanol

### 8. Sample Loading Buffer (5X)

|                   |       |
|-------------------|-------|
| Tris HCl (pH 6.8) | 250mM |
| SDS               | 10%   |
| Glycerol          | 40%   |
| β-ME              | 5%    |

BPB 0.01%

### 9. TBS (10X, 250ml)

|           |       |
|-----------|-------|
| Tris Base | 6.05g |
| NaCl      | 20g   |

### 10. PBS (10X)

|                                  |       |
|----------------------------------|-------|
| NaCl                             | 1.37M |
| KCl                              | 27mM  |
| Na <sub>2</sub> HPO <sub>4</sub> | 100mM |
| KH <sub>2</sub> PO <sub>4</sub>  | 18mM  |

### 11. Stacking Gel Buffer (5%)

|                  |         |
|------------------|---------|
| H <sub>2</sub> O | 2.95 ml |
| Tris (0.5M)      | 1.25 ml |
| Acrylamide (30%) | 670 μL  |
| SDS (10%)        | 50 μL   |
| APS (10%)        | 50 μL   |
| TEMED            | 5 μL    |

### 12. Resolving Gel

| Gel (%)               | 6%  | 8%  | 10% | 12% | 15% |
|-----------------------|-----|-----|-----|-----|-----|
| H <sub>2</sub> O (ml) | 5.2 | 4.6 | 3.8 | 3.2 | 2.2 |
| Acrylamide (ml)       | 2   | 2.6 | 3.4 | 4   | 5   |
| Tris (15M) (ml)       | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| SDS (10%) (μl)        | 100 | 100 | 100 | 100 | 100 |
| APS (10%) (μl)        | 100 | 100 | 100 | 100 | 100 |
| TEMED (μl)            | 10  | 10  | 10  | 10  | 10  |