

Supplementary data S3

Table S3. 29 CD-related targets of *S. polyrhiza*

| No. | Gene Name | Gene_ID | UniProt ID | Full_Name | Protein_Class | EI _{gda} |
|-----|-----------|---------|------------|---|----------------------------|-------------------|
| 1 | AHR | 196 | P35869 | aryl hydrocarbon receptor | Transcription factor | 1 |
| 2 | BCL2 | 596 | P10415 | BCL2 apoptosis regulator | Signaling | 1 |
| 3 | CASP8 | 841 | Q14790 | caspase 8 | Enzyme | 1 |
| 4 | CCL2 | 6347 | P13500 | C-C motif chemokine ligand 2 | Signaling | 1 |
| 5 | CCN2 | 1490 | P29279 | cellular communication network factor 2 | Signaling | 1 |
| 6 | CYP1A1 | 1543 | P04798 | cytochrome P450 family 1 subfamily A member 1 | Enzyme | 1 |
| 7 | DDIT3 | 1649 | P35638 | DNA damage inducible transcript 3 | | 1 |
| 8 | EPHB2 | 2048 | P29323 | EPH receptor B2 | Kinase | 1 |
| 9 | GCLC | 2729 | P48506 | glutamate-cysteine ligase catalytic subunit | Enzyme | 1 |
| 10 | GSR | 2936 | P00390 | glutathione-disulfide reductase | Enzyme | 1 |
| 11 | GSTP1 | 2950 | P09211 | glutathione S-transferase pi 1 | | 1 |
| 12 | HMOX1 | 3162 | P09601 | heme oxygenase 1 | | 1 |
| 13 | IFNG | 3458 | P01579 | interferon gamma | | 1 |
| 14 | IL1A | 3552 | P01583 | interleukin 1 alpha | | 1 |
| 15 | IL1B | 3553 | P01584 | interleukin 1 beta | | 1 |
| 16 | IL4 | 3565 | P05112 | interleukin 4 | | 1 |
| 17 | IL6 | 3569 | P05231 | interleukin 6 | | 1 |
| 18 | MAPK1 | 5594 | P28482 | mitogen-activated protein kinase 1 | Kinase | 1 |
| 19 | MMP10 | 4319 | P09238 | matrix metalloproteinase 10 | Enzyme | 1 |
| 20 | OPRM1 | 4988 | P35372 | opioid receptor mu 1 | G-protein coupled receptor | 1 |
| 21 | S100A8 | 6279 | P05109 | S100 calcium binding protein A8 | Calcium-binding protein | 1 |

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|----|--------|-------|---------------|--|-----------|-----|
| 22 | SOD1 | 6647 | P00441 | superoxide dismutase 1 | Enzyme | 1 |
| 23 | SOD3 | 6649 | P08294 | superoxide dismutase 3 | Enzyme | 1 |
| 24 | TLR4 | 7099 | O00206 | toll like receptor 4 | | 1 |
| 25 | TNF | 7124 | P01375 | tumor necrosis factor | Signaling | 0.8 |
| 26 | TPSAB1 | 7177 | P20231;Q15661 | tryptase alpha/beta 1 | Enzyme | 1 |
| 27 | UGT1A1 | 54658 | P22309 | UDP glucuronosyltransferase family 1 member A1 | | 1 |
| 28 | UGT1A6 | 54578 | P19224 | UDP glucuronosyltransferase family 1 member A6 | | 1 |
| 29 | VEGFA | 7422 | P15692 | vascular endothelial growth factor A | Signaling | 1 |

EL, Evidence Index.