

SUPPLEMENTARY TABLE S3. THE TOP 20 DIFFERENTIAL DOWNREGULATED GENES EXPRESSION IN AHR-KO MICE

| Gene | Gene title | Location | Transcript ID | Fold change | P values < |
|---------------|---|-----------|---------------|-------------|------------|
| Mdga2 | MAM domain containing glycosyl-phosphatidylinositol anchor 2 | chr12C2 | NM_001193266 | 0.035 | 0.00951 |
| Gm15097 | Predicted gene 15097 | chrXF3 | NM_001198987 | 0.051 | 0.00269 |
| Eya1 | Eucaryotic translation initiation factor 4E member 2 | chr1A3 | NM_010164 | 0.179 | 0.00223 |
| Nprl2 | Nitrogen permease regulator-like 2 | chr9F1 | NM_028369 | 0.184 | 0.00231 |
| 4933406K04Rik | RIKEN cDNA A330035P11 | chr3p21.1 | NM_015512 | 0.184 | 0.00043 |
| B230208H11Rik | RIKEN cDNA B230208H11 | chr10 | NR_038027 | 0.201 | 0.00440 |
| Lce1b | Late cornified envelope 1B | chr9p24.3 | NM_026822 | 0.272 | 0.00274 |
| Stra13 | Stimulated by retinoic acid 13 | chr11E2 | NM_016665 | 0.282 | 0.00137 |
| LOC432562 | Uncharacterized LOC432562 | chr11B1.3 | NR_040284 | 0.288 | 0.00353 |
| Cilp | Cartilage intermediate layer protein, nucleotide pyrophosphohydrolase | chr9C | NM_173385 | 0.294 | 0.00490 |
| Dtnb | Dystrobrevin, beta | chr12A1.1 | NM_007886 | 0.301 | 0.00928 |
| 2610016A17Rik | RIKEN cDNA 2610016A17 | chr19 | NR_045347 | 0.336 | 0.00099 |
| Olf1057 | Olfactory receptor 1057 | chr2D | NM_207563 | 0.356 | 0.00251 |
| Car2 | Carbonic anhydrase | chr3A1 | NM_009801 | 0.367 | 0.00168 |
| 2700086A05Rik | RIKEN cDNA 2700086A05 | chr6 | NR_015611 | 0.373 | 0.00598 |
| D630013N20Rik | RIKEN cDNA D630013N20 | chr10 | NR_045291 | 0.382 | 0.00537 |
| Muc5ac | Mucin 5, subtypes A and C, tracheobronchial/gastric | chr7F5 | NM_010844 | 0.392 | 0.00787 |
| Olf857 | Olfactory receptor 857 | chr9A3 | NM_001012265 | 0.392 | 0.00917 |
| Smyd1 | SET and MYND domain containing 1 | chr6C1 | NM_001160127 | 0.415 | 0.00573 |
| Zfp964 | Zinc finger protein 964 | chr8E1 | NM_009569 | 0.418 | 0.00489 |