

Table S1. Number of eQTLs and eGenes by tissue resulting from colocalization analysis for metabolic syndrome

| Tissue | No. of eQTLs | No. of eGenes | No. of MHC eGenes | No. of eGenes ^{-HLA} |
|---|--------------|---------------|-------------------|-------------------------------|
| Adipose - Subcutaneous | 229 | 171 | 10 | 161 |
| Adipose - Visceral Omentum | 142 | 113 | 8 | 105 |
| Adrenal Gland | 53 | 48 | 2 | 46 |
| Artery - Aorta | 121 | 95 | 6 | 89 |
| Artery - Coronary | 39 | 34 | 4 | 30 |
| Artery - Tibial | 162 | 125 | 6 | 119 |
| Brain - Amygdala | 18 | 18 | 3 | 15 |
| Brain - Anterior cingulate cortex BA24 | 28 | 22 | 3 | 19 |
| Brain - Caudate basal ganglia | 49 | 45 | 3 | 42 |
| Brain - Cerebellar Hemisphere | 69 | 54 | 5 | 49 |
| Brain - Cerebellum | 88 | 74 | 5 | 69 |
| Brain - Cortex | 62 | 58 | 4 | 54 |
| Brain - Frontal Cortex BA9 | 44 | 40 | 4 | 36 |
| Brain - Hippocampus | 25 | 22 | 3 | 19 |
| Brain - Hypothalamus | 26 | 23 | 4 | 19 |
| Brain - Nucleus accumbens basal ganglia | 36 | 35 | 4 | 31 |
| Brain - Putamen basal ganglia | 35 | 32 | 3 | 29 |
| Brain - Spinal cord cervical c-1 | 10 | 10 | 2 | 8 |
| Brain - Substantia nigra | 11 | 11 | 3 | 8 |
| Breast - Mammary Tissue | 110 | 93 | 5 | 88 |
| Cells - Cultured fibroblasts | 196 | 150 | 2 | 148 |
| Cells - EBV-transformed lymphocytes | 24 | 22 | 3 | 19 |
| Colon - Sigmoid | 93 | 74 | 4 | 70 |
| Colon - Transverse | 110 | 85 | 4 | 81 |
| Esophagus - Gastroesophageal Junction | 98 | 77 | 4 | 73 |
| Esophagus - Mucosa | 184 | 138 | 6 | 132 |
| Esophagus - Muscularis | 164 | 119 | 4 | 115 |
| Heart - Atrial Appendage | 120 | 92 | 5 | 87 |
| Heart - Left Ventricle | 107 | 78 | 5 | 73 |
| Kidney - Cortex | 0 | 0 | 0 | 0 |
| Liver | 61 | 42 | 5 | 37 |
| Lung | 156 | 130 | 9 | 121 |
| Minor Salivary Gland | 21 | 20 | 2 | 18 |
| Muscle - Skeletal | 195 | 140 | 8 | 132 |
| Nerve - Tibial | 216 | 157 | 7 | 150 |
| Ovary | 21 | 20 | 4 | 16 |
| Pancreas | 83 | 69 | 5 | 64 |
| Pituitary | 61 | 56 | 6 | 50 |
| Prostate | 37 | 31 | 4 | 27 |
| Skin - Not Sun Exposed Suprapubic | 176 | 129 | 7 | 122 |
| Skin - Sun Exposed Lower leg | 218 | 170 | 9 | 161 |
| Small Intestine - Terminal Ileum | 42 | 34 | 4 | 30 |
| Spleen | 86 | 66 | 3 | 63 |
| Stomach | 74 | 58 | 5 | 53 |
| Testis | 155 | 110 | 7 | 103 |
| Thyroid | 269 | 183 | 8 | 175 |
| Uterus | 14 | 13 | 3 | 10 |
| Vagina | 14 | 14 | 2 | 12 |
| Whole Blood | 175 | 117 | 9 | 108 |
| total | 4577 | 3517 | 231 | 3286 |

Table S2. Number of eQTLs and eGenes by tissue resulting from colocalization analysis for waist-hip ratio

| Tissue | No. of eQTLs | No. of eGenes | No. of MHC eGenes | No. of eGenes ^{-HLA} |
|---|--------------|---------------|-------------------|-------------------------------|
| Adipose - Subcutaneous | 7013 | 1125 | 27 | 1098 |
| Adipose - Visceral Omentum | 4848 | 787 | 26 | 761 |
| Adrenal Gland | 2011 | 414 | 21 | 393 |
| Artery - Aorta | 4620 | 794 | 25 | 769 |
| Artery - Coronary | 1514 | 321 | 22 | 299 |
| Artery - Tibial | 6572 | 1039 | 28 | 1011 |
| Brain - Amygdala | 663 | 157 | 14 | 143 |
| Brain - Anterior cingulate cortex BA24 | 1131 | 249 | 17 | 232 |
| Brain - Caudate basal ganglia | 1903 | 415 | 21 | 394 |
| Brain - Cerebellar Hemisphere | 2524 | 486 | 19 | 467 |
| Brain - Cerebellum | 3299 | 605 | 23 | 582 |
| Brain - Cortex | 2317 | 470 | 20 | 450 |
| Brain - Frontal Cortex BA9 | 1615 | 330 | 20 | 310 |
| Brain - Hippocampus | 1199 | 262 | 15 | 247 |
| Brain - Hypothalamus | 1233 | 263 | 18 | 245 |
| Brain - Nucleus accumbens basal ganglia | 1936 | 416 | 23 | 393 |
| Brain - Putamen basal ganglia | 1431 | 320 | 19 | 301 |
| Brain - Spinal cord cervical c-1 | 823 | 201 | 14 | 187 |
| Brain - Substantia nigra | 515 | 148 | 12 | 136 |
| Breast - Mammary Tissue | 3888 | 645 | 26 | 619 |
| Cells - Cultured fibroblasts | 6235 | 1083 | 20 | 1063 |
| Cells - EBV-transformed lymphocytes | 1047 | 239 | 18 | 221 |
| Colon - Sigmoid | 3399 | 587 | 21 | 566 |
| Colon - Transverse | 3603 | 597 | 25 | 572 |
| Esophagus - Gastroesophageal Junction | 3629 | 615 | 24 | 591 |
| Esophagus - Mucosa | 5861 | 920 | 26 | 894 |
| Esophagus - Muscularis | 5456 | 917 | 25 | 892 |
| Heart - Atrial Appendage | 3656 | 667 | 22 | 645 |
| Heart - Left Ventricle | 3437 | 599 | 21 | 578 |
| Kidney - Cortex | 212 | 56 | 7 | 49 |
| Liver | 1508 | 279 | 22 | 257 |
| Lung | 5674 | 850 | 25 | 825 |
| Minor Salivary Gland | 736 | 201 | 14 | 187 |
| Muscle - Skeletal | 5614 | 957 | 25 | 932 |
| Nerve - Tibial | 7168 | 1210 | 26 | 1184 |
| Ovary | 1077 | 262 | 17 | 245 |
| Pancreas | 3058 | 532 | 21 | 511 |
| Pituitary | 2753 | 511 | 21 | 490 |
| Prostate | 1930 | 378 | 23 | 355 |
| Skin - Not Sun Exposed Suprapubic | 6110 | 983 | 30 | 953 |
| Skin - Sun Exposed Lower leg | 7421 | 1129 | 30 | 1099 |
| Small Intestine - Terminal Ileum | 1264 | 303 | 16 | 287 |
| Spleen | 2549 | 525 | 22 | 503 |
| Stomach | 2711 | 477 | 24 | 453 |
| Testis | 5165 | 927 | 24 | 903 |
| Thyroid | 8215 | 1257 | 30 | 1227 |
| Uterus | 648 | 175 | 13 | 162 |
| Vagina | 775 | 178 | 18 | 160 |
| Whole Blood | 5820 | 874 | 27 | 847 |
| total | 157786 | 27735 | 1047 | 26688 |

Table S3. Number of eQTLs and eGenes by tissue resulting from colocalization analysis for fasting blood glucose

| Tissue | No. of eQTLs | No. of eGenes | No. of MHC eGenes | No. of eGenes ^{-HLA} |
|---|--------------|---------------|-------------------|-------------------------------|
| Adipose - Subcutaneous | 123 | 83 | 0 | 83 |
| Adipose - Visceral Omentum | 83 | 60 | 0 | 60 |
| Adrenal Gland | 22 | 19 | 0 | 19 |
| Artery - Aorta | 70 | 52 | 0 | 52 |
| Artery - Coronary | 11 | 11 | 0 | 11 |
| Artery - Tibial | 111 | 84 | 0 | 84 |
| Brain - Amygdala | 0 | 0 | 0 | 0 |
| Brain - Anterior cingulate cortex BA24 | 20 | 15 | 0 | 15 |
| Brain - Caudate basal ganglia | 20 | 17 | 0 | 17 |
| Brain - Cerebellar Hemisphere | 45 | 30 | 0 | 30 |
| Brain - Cerebellum | 54 | 41 | 0 | 41 |
| Brain - Cortex | 24 | 21 | 0 | 21 |
| Brain - Frontal Cortex BA9 | 17 | 11 | 0 | 11 |
| Brain - Hippocampus | 9 | 6 | 0 | 6 |
| Brain - Hypothalamus | 10 | 7 | 0 | 7 |
| Brain - Nucleus accumbens basal ganglia | 23 | 21 | 0 | 21 |
| Brain - Putamen basal ganglia | 16 | 11 | 0 | 11 |
| Brain - Spinal cord cervical c-1 | 6 | 4 | 0 | 4 |
| Brain - Substantia nigra | 2 | 2 | 0 | 2 |
| Breast - Mammary Tissue | 61 | 47 | 0 | 47 |
| Cells - Cultured fibroblasts | 120 | 82 | 0 | 82 |
| Cells - EBV-transformed lymphocytes | 10 | 10 | 0 | 10 |
| Colon - Sigmoid | 55 | 40 | 0 | 40 |
| Colon - Transverse | 54 | 40 | 0 | 40 |
| Esophagus - Gastroesophageal Junction | 63 | 45 | 0 | 45 |
| Esophagus - Mucosa | 107 | 77 | 0 | 77 |
| Esophagus - Muscularis | 110 | 79 | 0 | 79 |
| Heart - Atrial Appendage | 66 | 47 | 0 | 47 |
| Heart - Left Ventricle | 48 | 36 | 0 | 36 |
| Kidney - Cortex | 0 | 0 | 0 | 0 |
| Liver | 33 | 22 | 0 | 22 |
| Lung | 100 | 68 | 0 | 68 |
| Minor Salivary Gland | 11 | 10 | 0 | 10 |
| Muscle - Skeletal | 115 | 75 | 0 | 75 |
| Nerve - Tibial | 143 | 101 | 0 | 101 |
| Ovary | 9 | 8 | 0 | 8 |
| Pancreas | 54 | 42 | 0 | 42 |
| Pituitary | 39 | 35 | 0 | 35 |
| Prostate | 24 | 21 | 0 | 21 |
| Skin - Not Sun Exposed Suprapubic | 136 | 92 | 0 | 92 |
| Skin - Sun Exposed Lower leg | 160 | 111 | 0 | 110 |
| Small Intestine - Terminal Ileum | 21 | 16 | 0 | 16 |
| Spleen | 58 | 46 | 0 | 46 |
| Stomach | 40 | 27 | 0 | 27 |
| Testis | 99 | 73 | 0 | 73 |
| Thyroid | 186 | 120 | 0 | 120 |
| Uterus | 2 | 2 | 0 | 2 |
| Vagina | 5 | 5 | 0 | 5 |
| Whole Blood | 99 | 71 | 0 | 71 |
| total | 2694 | 1943 | 0 | 1942 |

Table S4. Number of eQTLs and eGenes by tissue resulting from colocalization analysis for glucose measurement

| Tissue | No. of eQTLs | No. of eGenes | No. of MHC eGenes | No. of eGenes ^{-HLA} |
|---|--------------|---------------|-------------------|-------------------------------|
| Adipose - Subcutaneous | 980 | 483 | 11 | 472 |
| Adipose - Visceral (Omentum) | 636 | 320 | 10 | 310 |
| Adrenal Gland | 253 | 159 | 4 | 155 |
| Artery - Aorta | 662 | 335 | 8 | 327 |
| Artery - Coronary | 169 | 104 | 2 | 102 |
| Artery - Tibial | 934 | 457 | 10 | 447 |
| Brain - Amygdala | 61 | 37 | 2 | 35 |
| Brain - Anterior cingulate cortex (BA24) | 156 | 94 | 3 | 91 |
| Brain - Caudate (basal ganglia) | 208 | 127 | 2 | 125 |
| Brain - Cerebellar Hemisphere | 329 | 184 | 2 | 182 |
| Brain - Cerebellum | 422 | 233 | 2 | 231 |
| Brain - Cortex | 277 | 170 | 4 | 166 |
| Brain - Frontal Cortex (BA9) | 193 | 115 | 2 | 113 |
| Brain - Hippocampus | 143 | 85 | 2 | 83 |
| Brain - Hypothalamus | 140 | 82 | 3 | 79 |
| Brain - Nucleus accumbens (basal ganglia) | 238 | 136 | 4 | 132 |
| Brain - Putamen (basal ganglia) | 193 | 114 | 2 | 112 |
| Brain - Spinal cord (cervical c-1) | 99 | 61 | 1 | 60 |
| Brain - Substantia nigra | 48 | 34 | 2 | 32 |
| Breast - Mammary Tissue | 499 | 255 | 8 | 247 |
| Cells - Cultured fibroblasts | 868 | 443 | 4 | 439 |
| Cells - EBV-transformed lymphocytes | 96 | 69 | 3 | 66 |
| Colon - Sigmoid | 483 | 254 | 4 | 250 |
| Colon - Transverse | 478 | 260 | 7 | 253 |
| Esophagus - Gastroesophageal Junction | 477 | 247 | 3 | 244 |
| Esophagus - Mucosa | 818 | 412 | 9 | 403 |
| Esophagus - Muscularis | 787 | 404 | 5 | 399 |
| Heart - Atrial Appendage | 501 | 254 | 7 | 247 |
| Heart - Left Ventricle | 430 | 239 | 7 | 232 |
| Kidney - Cortex | 8 | 8 | 1 | 7 |
| Liver | 196 | 109 | 3 | 106 |
| Lung | 723 | 361 | 10 | 351 |
| Minor Salivary Gland | 109 | 74 | 2 | 72 |
| Muscle - Skeletal | 868 | 422 | 10 | 412 |
| Nerve - Tibial | 1087 | 537 | 10 | 527 |
| Ovary | 108 | 78 | 2 | 76 |
| Pancreas | 434 | 245 | 4 | 241 |
| Pituitary | 363 | 200 | 4 | 196 |
| Prostate | 226 | 131 | 4 | 127 |
| Skin - Not Sun Exposed (Suprapubic) | 863 | 416 | 5 | 411 |
| Skin - Sun Exposed (Lower leg) | 1017 | 509 | 8 | 501 |
| Small Intestine - Terminal Ileum | 143 | 96 | 3 | 93 |
| Spleen | 387 | 216 | 2 | 214 |
| Stomach | 337 | 187 | 5 | 182 |
| Testis | 763 | 421 | 8 | 413 |
| Thyroid | 1128 | 551 | 11 | 540 |
| Uterus | 62 | 43 | 2 | 41 |
| Vagina | 56 | 39 | 2 | 37 |
| Whole Blood | 754 | 410 | 10 | 400 |
| total | 21210 | 11220 | 239 | 10981 |

Table S5. Number of eQTLs and eGenes by tissue resulting from colocalization analysis for systolic blood pressure

| Tissue | No. of eQTLs | No. of eGenes | No. of MHC eGenes | No. of eGenes ^{-HLA} |
|---|--------------|---------------|-------------------|-------------------------------|
| Adipose - Subcutaneous | 2052 | 967 | 10 | 957 |
| Adipose - Visceral Omentum | 1280 | 637 | 11 | 626 |
| Adrenal Gland | 674 | 361 | 2 | 359 |
| Artery - Aorta | 1495 | 722 | 11 | 711 |
| Artery - Coronary | 444 | 233 | 3 | 230 |
| Artery - Tibial | 2003 | 955 | 10 | 945 |
| Brain - Amygdala | 164 | 105 | 1 | 104 |
| Brain - Anterior cingulate cortex BA24 | 318 | 177 | 2 | 175 |
| Brain - Caudate basal ganglia | 543 | 322 | 3 | 319 |
| Brain - Cerebellar Hemisphere | 771 | 401 | 3 | 398 |
| Brain - Cerebellum | 976 | 494 | 4 | 490 |
| Brain - Cortex | 693 | 373 | 2 | 371 |
| Brain - Frontal Cortex BA9 | 448 | 244 | 2 | 242 |
| Brain - Hippocampus | 360 | 191 | 1 | 190 |
| Brain - Hypothalamus | 279 | 175 | 2 | 173 |
| Brain - Nucleus accumbens basal ganglia | 533 | 283 | 2 | 281 |
| Brain - Putamen basal ganglia | 424 | 253 | 3 | 250 |
| Brain - Spinal cord cervical c-1 | 229 | 125 | 2 | 123 |
| Brain - Substantia nigra | 129 | 79 | 1 | 78 |
| Breast - Mammary Tissue | 1038 | 524 | 11 | 513 |
| Cells - Cultured fibroblasts | 1913 | 906 | 5 | 901 |
| Cells - EBV-transformed lymphocytes | 266 | 144 | 4 | 140 |
| Colon - Sigmoid | 1013 | 497 | 6 | 491 |
| Colon - Transverse | 1065 | 537 | 7 | 530 |
| Esophagus - Gastroesophageal Junction | 992 | 521 | 7 | 514 |
| Esophagus - Mucosa | 1681 | 799 | 8 | 791 |
| Esophagus - Muscularis | 1644 | 829 | 7 | 822 |
| Heart - Atrial Appendage | 1120 | 573 | 8 | 565 |
| Heart - Left Ventricle | 921 | 505 | 7 | 498 |
| Kidney - Cortex | 56 | 33 | 0 | 33 |
| Liver | 367 | 211 | 4 | 207 |
| Lung | 1521 | 747 | 10 | 737 |
| Minor Salivary Gland | 266 | 137 | 2 | 135 |
| Muscle - Skeletal | 1747 | 866 | 8 | 858 |
| Nerve - Tibial | 2221 | 1094 | 13 | 1081 |
| Ovary | 259 | 165 | 3 | 162 |
| Pancreas | 995 | 470 | 7 | 463 |
| Pituitary | 717 | 382 | 6 | 376 |
| Prostate | 483 | 258 | 5 | 253 |
| Skin - Not Sun Exposed Suprapubic | 1658 | 825 | 10 | 815 |
| Skin - Sun Exposed Lower leg | 2074 | 983 | 10 | 973 |
| Small Intestine - Terminal Ileum | 359 | 216 | 5 | 211 |
| Spleen | 818 | 439 | 4 | 435 |
| Stomach | 768 | 392 | 10 | 382 |
| Testis | 1689 | 832 | 7 | 825 |
| Thyroid | 2243 | 1086 | 12 | 1074 |
| Uterus | 157 | 97 | 3 | 94 |
| Vagina | 163 | 103 | 3 | 100 |
| Whole Blood | 1507 | 762 | 10 | 752 |
| total | 45536 | 23030 | 277 | 22753 |

Table S6. Number of eQTLs and eGenes by tissue resulting from colocalization analysis for diastolic blood pressure

| Tissue | No. of eQTLs | No. of eGenes | No. of MHC eGenes | No. of eGenes ^{-HLA} |
|---|--------------|---------------|-------------------|-------------------------------|
| Adipose - Subcutaneous | 1439 | 799 | 17 | 784 |
| Adipose - Visceral Omentum | 944 | 546 | 14 | 532 |
| Adrenal Gland | 443 | 288 | 6 | 282 |
| Artery - Aorta | 1053 | 610 | 12 | 598 |
| Artery - Coronary | 319 | 196 | 5 | 191 |
| Artery - Tibial | 1390 | 774 | 13 | 762 |
| Brain - Amygdala | 123 | 81 | 3 | 78 |
| Brain - Anterior cingulate cortex BA24 | 226 | 139 | 3 | 136 |
| Brain - Caudate basal ganglia | 360 | 240 | 4 | 236 |
| Brain - Cerebellar Hemisphere | 518 | 307 | 7 | 300 |
| Brain - Cerebellum | 666 | 396 | 10 | 386 |
| Brain - Cortex | 455 | 279 | 5 | 274 |
| Brain - Frontal Cortex BA9 | 320 | 197 | 3 | 194 |
| Brain - Hippocampus | 226 | 143 | 2 | 141 |
| Brain - Hypothalamus | 225 | 141 | 2 | 139 |
| Brain - Nucleus accumbens basal ganglia | 364 | 229 | 6 | 224 |
| Brain - Putamen basal ganglia | 277 | 187 | 3 | 184 |
| Brain - Spinal cord cervical c-1 | 174 | 111 | 3 | 109 |
| Brain - Substantia nigra | 100 | 70 | 1 | 69 |
| Breast - Mammary Tissue | 754 | 459 | 12 | 448 |
| Cells - Cultured fibroblasts | 1309 | 735 | 11 | 725 |
| Cells - EBV-transformed lymphocytes | 194 | 109 | 3 | 106 |
| Colon - Sigmoid | 729 | 412 | 8 | 404 |
| Colon - Transverse | 782 | 453 | 9 | 444 |
| Esophagus - Gastroesophageal Junction | 692 | 416 | 9 | 407 |
| Esophagus - Mucosa | 1185 | 673 | 14 | 660 |
| Esophagus - Muscularis | 1169 | 681 | 12 | 669 |
| Heart - Atrial Appendage | 725 | 440 | 9 | 431 |
| Heart - Left Ventricle | 599 | 377 | 9 | 368 |
| Kidney - Cortex | 45 | 26 | 0 | 26 |
| Liver | 276 | 170 | 6 | 164 |
| Lung | 1084 | 607 | 14 | 594 |
| Minor Salivary Gland | 176 | 107 | 0 | 107 |
| Muscle - Skeletal | 1179 | 691 | 15 | 677 |
| Nerve - Tibial | 1508 | 858 | 15 | 843 |
| Ovary | 222 | 157 | 5 | 152 |
| Pancreas | 685 | 383 | 9 | 374 |
| Pituitary | 504 | 327 | 9 | 318 |
| Prostate | 374 | 230 | 5 | 225 |
| Skin - Not Sun Exposed Suprapubic | 1195 | 690 | 19 | 672 |
| Skin - Sun Exposed Lower leg | 1461 | 816 | 19 | 799 |
| Small Intestine - Terminal Ileum | 275 | 175 | 1 | 174 |
| Spleen | 582 | 350 | 6 | 344 |
| Stomach | 543 | 330 | 10 | 320 |
| Testis | 1159 | 647 | 12 | 635 |
| Thyroid | 1549 | 868 | 15 | 854 |
| Uterus | 113 | 84 | 1 | 83 |
| Vagina | 115 | 82 | 2 | 80 |
| Whole Blood | 1051 | 602 | 18 | 586 |
| total | 31856 | 18688 | 396 | 18308 |

Table S7. Number of eQTLs and eGenes by tissue resulting from colocalization analysis for triglyceride

| Tissue | No. of eQTLs | No. of eGenes | No. of MHC eGenes | No. of eGenes ^{-HLA} |
|---|--------------|---------------|-------------------|-------------------------------|
| Adipose - Subcutaneous | 2767 | 922 | 24 | 898 |
| Adipose - Visceral Omentum | 1837 | 652 | 22 | 630 |
| Adrenal Gland | 681 | 298 | 11 | 287 |
| Artery - Aorta | 1755 | 658 | 21 | 637 |
| Artery - Coronary | 464 | 220 | 12 | 208 |
| Artery - Tibial | 2348 | 869 | 21 | 848 |
| Brain - Amygdala | 177 | 107 | 5 | 102 |
| Brain - Anterior cingulate cortex BA24 | 381 | 178 | 8 | 170 |
| Brain - Caudate basal ganglia | 632 | 304 | 14 | 290 |
| Brain - Cerebellar Hemisphere | 925 | 379 | 12 | 367 |
| Brain - Cerebellum | 1123 | 478 | 14 | 464 |
| Brain - Cortex | 795 | 342 | 10 | 332 |
| Brain - Frontal Cortex BA9 | 543 | 250 | 10 | 240 |
| Brain - Hippocampus | 418 | 180 | 8 | 172 |
| Brain - Hypothalamus | 375 | 180 | 9 | 171 |
| Brain - Nucleus accumbens basal ganglia | 592 | 297 | 14 | 283 |
| Brain - Putamen basal ganglia | 511 | 222 | 10 | 212 |
| Brain - Spinal cord cervical c-1 | 240 | 138 | 7 | 131 |
| Brain - Substantia nigra | 143 | 81 | 6 | 75 |
| Breast - Mammary Tissue | 1456 | 529 | 21 | 508 |
| Cells - Cultured fibroblasts | 2516 | 913 | 18 | 895 |
| Cells - EBV-transformed lymphocytes | 289 | 159 | 11 | 148 |
| Colon - Sigmoid | 1292 | 456 | 13 | 443 |
| Colon - Transverse | 1339 | 515 | 19 | 496 |
| Esophagus - Gastroesophageal Junction | 1316 | 477 | 19 | 458 |
| Esophagus - Mucosa | 2181 | 755 | 19 | 736 |
| Esophagus - Muscularis | 2199 | 779 | 18 | 761 |
| Heart - Atrial Appendage | 1463 | 516 | 18 | 498 |
| Heart - Left Ventricle | 1287 | 449 | 18 | 431 |
| Kidney - Cortex | 56 | 35 | 1 | 34 |
| Liver | 786 | 266 | 10 | 256 |
| Lung | 1941 | 717 | 21 | 696 |
| Minor Salivary Gland | 338 | 150 | 4 | 146 |
| Muscle - Skeletal | 2132 | 789 | 20 | 769 |
| Nerve - Tibial | 2900 | 1055 | 23 | 1032 |
| Ovary | 423 | 182 | 8 | 174 |
| Pancreas | 1081 | 431 | 19 | 412 |
| Pituitary | 980 | 389 | 16 | 373 |
| Prostate | 598 | 257 | 8 | 249 |
| Skin - Not Sun Exposed Suprapubic | 2332 | 834 | 22 | 812 |
| Skin - Sun Exposed Lower leg | 2841 | 979 | 23 | 956 |
| Small Intestine - Terminal Ileum | 480 | 205 | 10 | 195 |
| Spleen | 1022 | 408 | 11 | 397 |
| Stomach | 1064 | 378 | 17 | 361 |
| Testis | 1949 | 786 | 18 | 768 |
| Thyroid | 3099 | 1088 | 25 | 1063 |
| Uterus | 183 | 99 | 6 | 93 |
| Vagina | 211 | 116 | 7 | 109 |
| Whole Blood | 2172 | 765 | 25 | 740 |
| total | 58633 | 22232 | 706 | 21526 |

Table S8. Number of eQTLs and eGenes by tissue resulting from colocalization analysis for high-density lipoprotein

| Tissue | No. of eQTLs | No. of eGenes | No. of MHC eGenes | No. of eGenes ^{-HLA} |
|---|--------------|---------------|-------------------|-------------------------------|
| Adipose - Subcutaneous | 3400 | 1050 | 23 | 1027 |
| Adipose - Visceral Omentum | 2254 | 747 | 20 | 727 |
| Adrenal Gland | 924 | 357 | 11 | 346 |
| Artery - Aorta | 2115 | 744 | 19 | 725 |
| Artery - Coronary | 668 | 281 | 12 | 269 |
| Artery - Tibial | 2960 | 998 | 22 | 976 |
| Brain - Amygdala | 291 | 133 | 7 | 126 |
| Brain - Anterior cingulate cortex BA24 | 480 | 195 | 10 | 185 |
| Brain - Caudate basal ganglia | 798 | 337 | 14 | 323 |
| Brain - Cerebellar Hemisphere | 1189 | 426 | 10 | 416 |
| Brain - Cerebellum | 1502 | 546 | 13 | 533 |
| Brain - Cortex | 1030 | 374 | 11 | 363 |
| Brain - Frontal Cortex BA9 | 724 | 278 | 13 | 265 |
| Brain - Hippocampus | 572 | 222 | 9 | 213 |
| Brain - Hypothalamus | 466 | 206 | 8 | 198 |
| Brain - Nucleus accumbens basal ganglia | 832 | 320 | 11 | 309 |
| Brain - Putamen basal ganglia | 585 | 254 | 10 | 244 |
| Brain - Spinal cord cervical c-1 | 355 | 169 | 13 | 156 |
| Brain - Substantia nigra | 211 | 95 | 8 | 87 |
| Breast - Mammary Tissue | 1823 | 619 | 18 | 601 |
| Cells - Cultured fibroblasts | 3114 | 1023 | 14 | 1009 |
| Cells - EBV-transformed lymphocytes | 410 | 189 | 14 | 175 |
| Colon - Sigmoid | 1557 | 548 | 13 | 535 |
| Colon - Transverse | 1709 | 582 | 19 | 563 |
| Esophagus - Gastroesophageal Junction | 1645 | 556 | 15 | 541 |
| Esophagus - Mucosa | 2778 | 881 | 18 | 863 |
| Esophagus - Muscularis | 2690 | 912 | 17 | 895 |
| Heart - Atrial Appendage | 1837 | 632 | 17 | 615 |
| Heart - Left Ventricle | 1557 | 549 | 16 | 533 |
| Kidney - Cortex | 115 | 54 | 4 | 50 |
| Liver | 965 | 298 | 11 | 287 |
| Lung | 2539 | 808 | 20 | 788 |
| Minor Salivary Gland | 426 | 170 | 10 | 160 |
| Muscle - Skeletal | 2702 | 929 | 19 | 910 |
| Nerve - Tibial | 3696 | 1196 | 20 | 1176 |
| Ovary | 505 | 220 | 9 | 211 |
| Pancreas | 1467 | 512 | 15 | 497 |
| Pituitary | 1190 | 434 | 16 | 418 |
| Prostate | 789 | 315 | 14 | 301 |
| Skin - Not Sun Exposed Suprapubic | 3099 | 974 | 24 | 950 |
| Skin - Sun Exposed Lower leg | 3605 | 1117 | 21 | 1096 |
| Small Intestine - Terminal Ileum | 659 | 250 | 10 | 240 |
| Spleen | 1295 | 470 | 13 | 457 |
| Stomach | 1354 | 431 | 17 | 414 |
| Testis | 2507 | 859 | 13 | 846 |
| Thyroid | 3695 | 1200 | 20 | 1180 |
| Uterus | 271 | 120 | 7 | 113 |
| Vagina | 312 | 133 | 7 | 126 |
| Whole Blood | 2754 | 846 | 22 | 824 |
| total | 74421 | 25559 | 697 | 24862 |