**Table S1.** List of genes included in the DMET Plus panel.

| Gene       | Gene       | Gene       | Gene       | Gene       | Gene       | Gene       | Gene       | Gene       | Gene       | Gene       | Gene       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| ABCB1      | ALDH2      | COMT       | CYP4F3     | EPXH2      | MAOA       | RPL13      | SLC22A14   | TBXAS1     |            |            |            |
| ABCB4      | ALDH3A1    | CROT       | CYP4F8     | FAAH       | MAOB       | RXRA       | SLC25A27   | TPMT       |            |            |            |
| ABCB7      | ALDH3A2    | CYP1A1     | CYP4F11    | FMO1       | MAT1A      | SERPINA7   | SLC28A1    | TP5G1      |            |            |            |
| ABCB11     | AOX1       | CYP1A2     | CYP4F12    | FMO2       | METTL1     | SLC5A6     | SLC28A2    | TYMS       |            |            |            |
| ABCC1      | APOA2      | CYP1B1     | CYP4Z1     | FMO3       | NAT1       | SLC6A6     | SLC28A3    | UGT1A1     |            |            |            |
| ABCC2      | ARNT       | CYP2A6     | CYP7A1     | FMO4       | NAT2       | SLC7A5     | SLC29A1    | UGT1A3     |            |            |            |
| ABCC3      | ARSA       | CYP2A7     | CYP7B1     | FMO5       | NNMT       | SLC7A7     | SLC29A2    | UGT1A4     |            |            |            |
| ABCC4      | ATP7A      | CYP2A13    | CYP8B1     | FMO6       | NQO1       | SLC7A8     | SLCO1A2    | UGT1A5     |            |            |            |
| ABCC5      | ATP7B      | CYP2B6     | CYP11A1    | G6PD       | NR1I2      | SLC10A1    | SLCO1B1    | UGT1A6     |            |            |            |
| ABCC6      | CA5P       | CYP2B7P1   | CYP11B1    | GSTA1      | NR1I3      | SLC10A2    | SLCO1B3    | UGT1A7     |            |            |            |
| ABCC8      | CB1R       | CYP2C8     | CYP11B2    | GSTA2      | NR3C1      | SLC13A1    | SLCO2B1    | UGT1A8     |            |            |            |
| ABCC9      | CB3R       | CYP2C9     | CYP17A1    | GSTA3      | ORM1       | SLC15A1    | SLCO3A1    | UGT1A9     |            |            |            |
| ABCG1      | CDA        | CYP2C18    | CYP19A1    | GSTA4      | ORM2       | SLC15A2    | SLCO4A1    | UGT1A10    |            |            |            |
| ABCG2      | CES2       | CYP2C19    | CYP20A1    | GSTA5      | PGAP3      | SLC16A1    | SLCO5A1    | UGT2A1     |            |            |            |
| ABP1       | CHST1      | CYP2D6     | CYP21A2    | GSTM1      | PNMT       | SLC19A1    | SPG7       | UGT2B4     |            |            |            |
| ADH1A      | CHST2      | CYP2E1     | CYP24A1    | GSTM2      | PON1       | SLC22A1    | SPN        | UGT2B7     |            |            |            |
| ADH1B      | CHST3      | CYP2F1     | CYP26A1    | GSTM3      | PON2       | SLC22A2    | SULT1A1    | UGT2B11    |            |            |            |
| ADH1C      | CHST4      | CYP2J2     | CYP26C1    | GSTM4      | PON3       | SLC22A3    | SULT1A2    | UGT2B15    |            |            |            |
| ADH4       | CHST5      | CYP2S1     | CYP27A1    | GSTM5      | POR        | SLC22A4    | SULT1A3    | UGT2B17    |            |            |            |
| ADH5       | CHST6      | CYP3A4     | CYP27B1    | GSTO1      | PPARD      | SLC22A5    | SULT1B1    | UGT2B28    |            |            |            |
| ADH6       | CHST7      | CYP3A5     | CYP39A1    | GSTP1      | PPRARG     | SLC22A6    | SULT1C2    | UGT8       |            |            |            |
| ADH7       | CHST8      | CYP3A7     | CYP46A1    | GSTT1      | PPP1R9A    | SLC22A7    | SULT1C4    | VKORC1     |            |            |            |
| AHR        | CHST9      | CYP3A43    | CYP51A1    | GSTT2      | PRSS3      | SLC22A8    | SULT1E1    | XDH        |            |            |            |
| AKAP9      | CHST10     | CYP4A11    | DCK        | GSTZ1      | PTGIS      | SLC22A11   | SULT2A1    |            |            |            |            |
| ALB        | CHST11     | CYP4B1     | DYD        | HMGCR      | QPRT       | SLC22A12   | SULT2B1    |            |            |            |            |
| ALDH1A1    | CHST13     | CYP4F2     | EPXH1      | HNMT       | RALBP1     | SLC22A13   | SULT4A1    |            |            |            |