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| **Pathway** | **S+P− vs. S−P−** | **S+P+ vs. S+P−** | **S−P+ vs. S−P−** |
| **Protein processing in ER** | *Most abundant*CANX, GANAB, HSP90AA1, HSP90AB1, HSPH1, HYOU1, RPN2, SAR1A, SEC13, TXNDC5, UBQLN1, UGGT1, VCP | *Most abundant*CALR, ERP29, PDIA4, PDIA6, RAD23B, RPN1, SAR1A, SEC23A | *Most abundant*n.d. |
|  | *Less abundant*CALR, ERP29, PDIA6, RPN1, RAD23B, SAR1A, SAR1B, SEC24A | *Less abundant*n.d. | *Less abundant*n.d. |
| **Proteasome** | *Most abundant*PSMA4, PSMB4, PSMC1, PSMC6, PSMD2, PSMD3, NEDD4, YWHAH, YWHAQ, YWHAZ, YWHAE, VIM | *Most abundant*PSMA1, PSMA2, PSMA6, PSMA7, PSMB1, PSMC6, PSMD3, PSMD7, PSMD12 | *Most abundant*n.d. |
|  | *Less abundant*PSMA6, PSMB1, PSMB3, PSMC2, PSMC4, PSMD7, PSMD12, PSMD14, PSME1, PSME2 | *Less abundant*PSMA8, PSMB4, PSMC1, PSMC3, PSMC4, PSME2 | *Less abundant*PSMA6, PSMC3, PSMC4, PSMD12, PSMD14, PSME1, PSME2 |
| **Metabolism of xenobiotics by Cyt P450** | *Most abundant*ADH1, ADH4, AKR7A3, CYP2E1, EPHX1, GSTK1, GSTM2, GSTT2, SULT2A1, MGST1, MGST3, MGST2, UGT2B1, UGT2B35 | *Most abundant* GSTA1, GSTA4, GSTM1, GSTK1, GSTT2, MGST1, RGD1559459, UGT1A2, UGT2B35 | *Most abundant*ADH4, AKR7A2, AKR7A3, CYP2E1, EPHX1, GSTK1, GSTM2, GSTT2, MGST1, MGST3, RGD1559459, UGT1A5, UGT1A6, UGT2B, UGT2B35, UGT2B37 |
|  | *Less abundant*GSTA1, GSTA4, GSTM7, RGD1559459, UGT1A1, UGT1A5, UGT2B1 | *Less abundant*ADH4, AKR7A2, CYP2E1, GSTM2, MGST2, SULT2A1, UGT1A5, UGT2B10, UGT2B35 | *Less abundant*GSTA1, GSTA2, GSTA5, GSTM7, SULT2A1, UGT2B1, UGT2B35 |