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| **Supplemental Table 1- Web Resources\*** |  |  |  |  |  |
| **Gene** | **Reference** |  |  |  |  |  |  |
| ***CYP1A1*** | http://www.cypalleles.ki.se/cyp1a1.htm |  |  |  |  |
|  | https://www.pharmgkb.org/gene/PA27092#tabview=tab3&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/CYP1A1 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP1A2*** | http://www.cypalleles.ki.se/cyp1a2.htm |  |  |  |  |
|  | https://www.pharmgkb.org/gene/PA27093#tabview=tab4&subtab=32 |  |
|  | http://databases.lovd.nl/shared/genes/CYP1A2 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP2A6*** | http://www.cypalleles.ki.se/cyp2a6.htm |  |  |  |  |
|  | https://www.pharmgkb.org/gene/PA121#tabview=tab4&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/CYP2A6 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP2B6*** | http://www.cypalleles.ki.se/cyp2b6.htm |  |  |  |
|  | https://www.pharmgkb.org/gene/PA123#tabview=tab4&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/CYP2B6 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP2C8*** | http://www.cypalleles.ki.se/cyp2c8.htm |  |  |  |  |
|  | https://www.pharmgkb.org/gene/PA125#tabview=tab4&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/CYP2C8 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP2C9*** | http://www.cypalleles.ki.se/cyp2c9.htm |  |  |  |  |
|  | https://www.pharmgkb.org/gene/PA126#tabview=tab4&subtab=31 |  |
|  | http://databases.lovd.nl/shared/genes/CYP2C9 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP2C19*** | http://www.cypalleles.ki.se/cyp2c19.htm |  |  |  |
|  | https://www.pharmgkb.org/gene/PA124#tabview=tab4&subtab=31 |  |
|  | http://databases.lovd.nl/shared/genes/CYP2C19 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP2D6*** | http://www.cypalleles.ki.se/cyp2d6.htm |  |  |  |
|  | https://www.pharmgkb.org/gene/PA128#tabview=tab4&subtab=31 |  |
|  | http://databases.lovd.nl/shared/genes/CYP2D6 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP2E1*** | http://www.cypalleles.ki.se/cyp2e1.htm |  |  |  |
|  | https://www.pharmgkb.org/gene/PA129#tabview=tab4&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/CYP2E1 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP3A4*** | http://www.cypalleles.ki.se/cyp3a4.htm |  |  |  |  |
|  | https://www.pharmgkb.org/gene/PA130#tabview=tab4&subtab=32 |  |
|  | http://databases.lovd.nl/shared/genes/CYP3A4 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP3A5*** | http://www.cypalleles.ki.se/cyp3a5.htm |  |  |  |  |
|  | https://www.pharmgkb.org/gene/PA131#tabview=tab4&subtab=31 |  |
|  | http://databases.lovd.nl/shared/genes/CYP3A5 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***CYP4F2*** | http://www.cypalleles.ki.se/cyp4f2.htm |  |  |  |  |
|  | https://www.pharmgkb.org/gene/PA27121#tabview=tab4&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/CYP4F2 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***DPYD*** | https://www.pharmgkb.org/gene/PA145#tabview=tab4&subtab=31 |  |
|  | http://databases.lovd.nl/shared/genes/DPYD |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***GSTM1*** | https://www.pharmgkb.org/gene/PA182#tabview=tab3&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/GSTM1 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***GSTP1*** | https://www.pharmgkb.org/gene/PA29028#tabview=tab1&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/GSTP1 |  |  |  |
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| ***GSTT1*** | https://www.pharmgkb.org/gene/PA183#tabview=tab4&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/GSTT1 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***NAT1*** | https://www.pharmgkb.org/gene/PA17?tabType=tabHaplotypes |  |  |  |  |  |  |  |
|  | http://databases.lovd.nl/shared/genes/NAT1 |  |  |  |
|  | http://nat.mbg.duth.gr/Human%20NAT1%20alleles\_2013.htm |  |
|  |  |  |  |  |  |  |  |  |
| ***NAT2*** | https://www.pharmgkb.org/gene/PA18?tabType=tabHaplotypes |  |
|  | http://databases.lovd.nl/shared/genes/NAT2 |  |  |  |
|  | http://nat.mbg.duth.gr/Human%20NAT2%20alleles\_2013.htm |  |
|  |  |  |  |  |  |  |  |  |
| ***SLC15A2*** | https://www.pharmgkb.org/gene/PA35812#tabview=tab0&subtab=31 |  |
|  | http://databases.lovd.nl/shared/genes/SLC15A2 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***SLC22A2*** | https://www.pharmgkb.org/gene/PA331#tabview=tab1&subtab=32 |  |
|  | http://databases.lovd.nl/shared/genes/SLC22A2 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***SLCO1B1*** | https://www.pharmgkb.org/gene/PA134865839#tabview=tab4&subtab=31 |
|  | http://databases.lovd.nl/shared/genes/SLCO1B1 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***SLCO2B1*** | https://www.pharmgkb.org/gene/PA35845 |  |  |  |
|  | http://databases.lovd.nl/shared/genes/SLCO2B1 |  |  |  |
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| ***TPMT*** | https://www.pharmgkb.org/gene/PA356#tabview=tab4&subtab=31 |  |
|  | http://databases.lovd.nl/shared/genes/TPMT |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***UGT1A1*** | https://www.pharmgkb.org/gene/PA420#tabview=tab4&subtab=31 |  |
|  | http://databases.lovd.nl/shared/genes/UGT1A1 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***UGT2B7*** | https://www.pharmgkb.org/gene/PA361#tabview=tab0&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/UGT2B7 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***UGT2B15*** | https://www.pharmgkb.org/gene/PA37188#tabview=tab3&subtab=33 |  |
|  | http://databases.lovd.nl/shared/genes/UGT2B15 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***UGT2B17*** | https://www.pharmgkb.org/gene/PA37189 |  |  |  |
|  | http://databases.lovd.nl/shared/genes/UGT2B17 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***VKORC1*** | https://www.pharmgkb.org/gene/PA133787052#tabview=tab4&subtab=31 |
|  | http://databases.lovd.nl/shared/genes/VKORC1 |  |  |  |
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