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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 | | | | |  |  |  |
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| ***DPYD*** | https://www.pharmgkb.org/gene/PA145#tabview=tab4&subtab=31 | | | | | | |  |
|  | http://databases.lovd.nl/shared/genes/DPYD | | | | |  |  |  |
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| ***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 | | | | |  |  |  |
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| ***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 | | | | | | |  |
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| ***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 | | | | |  |  |  |
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| ***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 | | | | |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ***TPMT*** | https://www.pharmgkb.org/gene/PA356#tabview=tab4&subtab=31 | | | | | | |  |
|  | http://databases.lovd.nl/shared/genes/TPMT | | | | |  |  |  |
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| ***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 | | | | |  |  |  |
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| ***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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