

UF Health PMP CYP2D6 Decision Table

Haplotype 1	Haplotype 2	Diplotype	Activity score	Phenotype	Metabolism Status	Clinical Priority
*1	*1	*1/*1	2	EM	Extensive Metabolizer	Low
<b>*1</b>	<b>*1xN</b>	<b>&gt;2 *1 alleles</b>	<b>&gt;2.0</b>	<b>UM</b>	<b>Ultrarapid Metabolizer</b>	<b>High</b>
*1	*2	*1/*2	2	EM	Extensive Metabolizer	Low
*1	*3	*1/*3	1	EM	Extensive Metabolizer	Low
*1	*4	*1/*4	1	EM	Extensive Metabolizer	Low
*1	*5	*1/*5	1	EM	Extensive Metabolizer	Low
*1	*6	*1/*6	1	EM	Extensive Metabolizer	Low
*1	*7	*1/*7	1	EM	Extensive Metabolizer	Low
*1	*8	*1/*8	1	EM	Extensive Metabolizer	Low
*1	*9	*1/*9	1.5	EM	Extensive Metabolizer	Low
*1	*10	*1/*10	1.5	EM	Extensive Metabolizer	Low
*1	*11	*1/*11	1	EM	Extensive Metabolizer	Low
*1	*15	*1/*15	1	EM	Extensive Metabolizer	Low
*1	*17	*1/*17	1.5	EM	Extensive Metabolizer	Low
*1	*29	*1/*29	1.5	EM	Extensive Metabolizer	Low
*1	*35	*1/*35	2	EM	Extensive Metabolizer	Low
*1	*41	*1/*41	1.5	EM	Extensive Metabolizer	Low
*2	*2	*2/*2	2	EM	Extensive Metabolizer	Low
<b>*2</b>	<b>*2xN</b>	<b>&gt;2 *2 alleles</b>	<b>&gt;2.0</b>	<b>UM</b>	<b>Ultrarapid Metabolizer</b>	<b>High</b>
*2	*3	*2/*3	1	EM	Extensive Metabolizer	Low
*2	*4	*2/*4	1	EM	Extensive Metabolizer	Low
*2	*5	*2/*5	1	EM	Extensive Metabolizer	Low
*2	*6	*2/*6	1	EM	Extensive Metabolizer	Low
*2	*7	*2/*7	1	EM	Extensive Metabolizer	Low
*2	*8	*2/*8	1	EM	Extensive Metabolizer	Low
*2	*9	*2/*9	1.5	EM	Extensive Metabolizer	Low
*2	*10	*2/*10	1.5	EM	Extensive Metabolizer	Low
*2	*11	*2/*11	1	EM	Extensive Metabolizer	Low
*2	*15	*2/*15	1	EM	Extensive Metabolizer	Low
*2	*17	*2/*17	1.5	EM	Extensive Metabolizer	Low
*2	*29	*2/*29	1.5	EM	Extensive Metabolizer	Low
*2	*35	*2/*35	2	EM	Extensive Metabolizer	Low
*2	*41	*2/*41	1.5	EM	Extensive Metabolizer	Low
<b>*3</b>	<b>*3</b>	<b>*3/*3</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*3</b>	<b>*4</b>	<b>*3/*4</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*3</b>	<b>*5</b>	<b>*3/*5</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*3</b>	<b>*6</b>	<b>*3/*6</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*3</b>	<b>*7</b>	<b>*3/*7</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*3</b>	<b>*8</b>	<b>*3/*8</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
*3	*9	*3/*9	0.5	IM	Intermediate Metabolizer	Med
*3	*10	*3/*10	0.5	IM	Intermediate Metabolizer	Med
<b>*3</b>	<b>*11</b>	<b>*3/*11</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*3</b>	<b>*15</b>	<b>*3/*15</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
*3	*17	*3/*17	0.5	IM	Intermediate Metabolizer	Med
*3	*29	*3/*29	0.5	IM	Intermediate Metabolizer	Med
*3	*35	*3/*35	1	EM	Extensive Metabolizer	Low
*3	*41	*3/*41	0.5	IM	Intermediate Metabolizer	Med
<b>*4</b>	<b>*4</b>	<b>*4/*4</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*4</b>	<b>*5</b>	<b>*4/*5</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*4</b>	<b>*6</b>	<b>*4/*6</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*4</b>	<b>*7</b>	<b>*4/*7</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*4</b>	<b>*8</b>	<b>*4/*8</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
*4	*9	*4/*9	0.5	IM	Intermediate Metabolizer	Med
*4	*10	*4/*10	0.5	IM	Intermediate Metabolizer	Med
<b>*4</b>	<b>*11</b>	<b>*4/*11</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
<b>*4</b>	<b>*15</b>	<b>*4/*15</b>	<b>0</b>	<b>PM</b>	<b>Poor Metabolizer</b>	<b>High</b>
*4	*17	*4/*17	0.5	IM	Intermediate Metabolizer	Med
*4	*29	*4/*29	0.5	IM	Intermediate Metabolizer	Med
*4	*35	*4/*35	1	EM	Extensive Metabolizer	Low
*4	*41	*4/*41	0.5	IM	Intermediate Metabolizer	Med

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*4	*4xN	>2 *4 alleles	0	PM	Poor Metabolizer	High
*5	*5	*5/*5	0	PM	Poor Metabolizer	High
*5	*6	*5/*6	0	PM	Poor Metabolizer	High
*5	*7	*5/*7	0	PM	Poor Metabolizer	High
*5	*8	*5/*8	0	PM	Poor Metabolizer	High
*5	*9	*5/*9	0.5	IM	Intermediate Metabolizer	Med
*5	*10	*5/*10	0.5	IM	Intermediate Metabolizer	Med
*5	*11	*5/*11	0	PM	Poor Metabolizer	High
*5	*15	*5/*15	0	PM	Poor Metabolizer	High
*5	*17	*5/*17	0.5	IM	Intermediate Metabolizer	Med
*5	*29	*5/*29	0.5	IM	Intermediate Metabolizer	Med
*5	*35	*5/*35	1	EM	Extensive Metabolizer	Low
*5	*41	*5/*41	0.5	IM	Intermediate Metabolizer	Med
*6	*6	*6/*6	0	PM	Poor Metabolizer	High
*6	*7	*6/*7	0	PM	Poor Metabolizer	High
*6	*8	*6/*8	0	PM	Poor Metabolizer	High
*6	*9	*6/*9	0.5	IM	Intermediate Metabolizer	Med
*6	*10	*6/*10	0.5	IM	Intermediate Metabolizer	Med
*6	*11	*6/*11	0	PM	Poor Metabolizer	Low
*6	*15	*6/*15	0	PM	Poor Metabolizer	Low
*6	*17	*6/*17	0.5	IM	Intermediate Metabolizer	Med
*6	*29	*6/*29	0.5	IM	Intermediate Metabolizer	Med
*6	*35	*6/*35	1	EM	Extensive Metabolizer	Low
*6	*41	*6/*41	0.5	IM	Intermediate Metabolizer	Med
*7	*7	*7/*7	0	PM	Poor Metabolizer	High
*7	*8	*7/*8	0	PM	Poor Metabolizer	High
*7	*9	*7/*9	0.5	IM	Intermediate Metabolizer	Med
*7	*10	*7/*10	0.5	IM	Intermediate Metabolizer	Med
*7	*11	*7/*11	0	PM	Poor Metabolizer	Low
*7	*15	*7/*15	0	PM	Poor Metabolizer	Low
*7	*17	*7/*17	0.5	IM	Intermediate Metabolizer	Med
*7	*29	*7/*29	0.5	IM	Intermediate Metabolizer	Med
*7	*35	*7/*35	1	EM	Extensive Metabolizer	Low
*7	*41	*7/*41	0.5	IM	Intermediate Metabolizer	Med
*8	*8	*8/*8	0	PM	Poor Metabolizer	High
*8	*9	*8/*9	0.5	IM	Intermediate Metabolizer	Med
*8	*10	*8/*10	0.5	IM	Intermediate Metabolizer	Med
*8	*11	*8/*11	0	PM	Poor Metabolizer	High
*8	*15	*8/*15	0	PM	Poor Metabolizer	High
*8	*17	*8/*17	0.5	IM	Intermediate Metabolizer	Med
*8	*29	*8/*29	0.5	IM	Intermediate Metabolizer	Med
*8	*35	*8/*35	1	EM	Extensive Metabolizer	Low
*8	*41	*8/*41	0.5	IM	Intermediate Metabolizer	Med
*9	*9	*9/*9	1	EM	Extensive Metabolizer	Low
*9	*10	*9/*10	1	EM	Extensive Metabolizer	Low
*9	*11	*9/*11	0.5	IM	Intermediate Metabolizer	Med
*9	*15	*9/*15	0.5	IM	Intermediate Metabolizer	Med
*9	*17	*9/*17	1	EM	Extensive Metabolizer	Low
*9	*29	*9/*29	1	EM	Extensive Metabolizer	Low
*9	*35	*9/*35	1.5	EM	Extensive Metabolizer	Low
*9	*41	*9/*41	1	EM	Extensive Metabolizer	Low
*10	*10	*10/*10	1	EM	Extensive Metabolizer	Low
*10	*11	*10/*11	0.5	IM	Intermediate Metabolizer	Med
*10	*15	*10/*15	0.5	IM	Intermediate Metabolizer	Med
*10	*17	*10/*17	1	EM	Extensive Metabolizer	Low
*10	*29	*10/*29	1	EM	Extensive Metabolizer	Low
*10	*35	*10/*35	1.5	EM	Extensive Metabolizer	Low
*10	*41	*10/*41	1	EM	Extensive Metabolizer	Low
*11	*11	*11/*11	0	PM	Poor Metabolizer	High
*11	*15	*11/*15	0	PM	Poor Metabolizer	High
*11	*17	*11/*17	0.5	IM	Intermediate Metabolizer	Med

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*11	*29	*11/*29	0.5	IM	Intermediate Metabolizer	Med
*11	*35	*11/*35	1	EM	Extensive Metabolizer	Low
*11	*41	*11/*41	0.5	IM	Intermediate Metabolizer	Med
*15	*15	*15/*15	0	PM	Poor Metabolizer	High
*15	*17	*15/*17	0.5	IM	Intermediate Metabolizer	Med
*15	*29	*15/*29	0.5	IM	Intermediate Metabolizer	Med
*15	*35	*15/*35	1	EM	Extensive Metabolizer	Low
*15	*41	*15/*41	0.5	IM	Intermediate Metabolizer	Med
*17	*17	*17/*17	1	EM	Extensive Metabolizer	Low
*17	*29	*17/*29	1	EM	Extensive Metabolizer	Low
*17	*35	*17/*35	1.5	EM	Extensive Metabolizer	Low
*17	*41	*17/*41	1	EM	Extensive Metabolizer	Low
*29	*29	*29/*29	1	EM	Extensive Metabolizer	Low
*29	*35	*29/*35	1.5	EM	Extensive Metabolizer	Low
*29	*41	*29/*41	1	EM	Extensive Metabolizer	Low
*35	*35	*35/*35	2	EM	Extensive Metabolizer	Low
*35	*35xN	>2 *35 alleles	> 2.0	UM	Ultrarapid Metabolizer	High
*35	*41	*35/*41	1.5	EM	Extensive Metabolizer	Low
*41	*41	*41/*41	1	EM	Extensive Metabolizer	Low