

Supplementary Table 1. Association between genotype and toxicity \geq G3												
TS												
TS	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
2R/2R	30	7	36	1	36	1	22	14	37	0	36	1
	81.1% 64.8-92.0	18.9% 8.0-35.1	97.3% 85.8-99.9	2.7% 0.07-14.16	97.3% 85.84-99.93	2.7% 0.06-14.16	61.1% 43.5-76.9	38.9% 23.1-56.5	100% 90.5-100	0% 0.0-9.5	97.3% 85.8-99.9	2.7% 0.07-14.2
2R/3R	39	9	46	3	44	4	32	15	47	2	42	6
	81.3% 67.4-91.1	18.8% 8.9-32.6	93.9% 83.1-98.7	6.1% 1.28-16.87	91.7% 80.02-97.68	8.3% 2.32-19.98	68.1% 52.9-80.9	31.9% 19.1-47.1	95.9% 86.0-99.5	4.1% 0.5-14.0	87.5% 74.8-95.3	12.5% 4.7-25.2
3R/3R	32	3	34	1	35	0	19	13	32	3	34	1
	91.4% 76.9-98.2	8.6% 1.8-23.1	97.1% 85.1-99.9	2.9% 0.07-14.92	100% 90.0-100.0	0% 0-0.1	59.4% 40.6-76.3	40.6% 23.7-59.4	91.4% 76.9-98.2	8.6% 1.8-23.1	97.1% 85.1-99.9	2.9% 0.07-14.9
	p=0.377		p=0.732		p=0.186		p=0.711		p=0.185		p=0.188	
2R/2R	30	7	36	1	36	1	22	14	37	0	36	1
	81.1% 64.8-92.0	18.9% 8.0-35.1	97.3% 85.8-99.9	2.7% 0.07-14.16	97.3% 85.84-99.93	2.7% 0.06-14.16	61.1% 43.5-76.9	38.9% 23.1-56.5	100.0% 90.5-100	0.0% 0-9.5	97.3% 85.8-99.9	2.7% 0.06-14.2
2R/3R/3R/3R	71	12	80	4	79	4	51	28	79	5	76	7
	85.5% 76.1-92.3	14.5% 7.7-23.9	95.2% 88.3-98.7	4.8% 1.3-11.7	95.2% 88.1-98.7	4.8% 1.3-11.9	64.6% 53.0-75.0	35.4% 23.1-56.5	94.0% 86.7-98.0	6.0% 2.0-13.3	91.6% 83.4-96.5	8.4% 3.5-16.6
	p=0.592		p=1.0		p=1.0		p=0.835		p=0.322		p=0.432	
GSTP1 rs1695												
	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	yes
A	59	13	69	3	70	2	44	22	69	3	67	5
	81.9% 71.1-90.0	18.1% 10.0-28.9	95.8% 88.3-99.1	4.2% 0.9-11.7	97.2% 90.3-99.7	2.8% 0.3-9.7	66.7% 54.0-77.8	33.3% 22.2-46.0	95.8% 88.3-99.1	4.2% 0.9-11.7	93.1% 84.5-97.7	6.9% 2.3-15.5
AG	45	6	50	2	48	3	31	21	48	4	47	4
	88.2% 76.1-95.6	11.8% 4.4-23.9	96.2% 86.8-99.5	3.8% 0.5-13.2	94.1% 83.8-98.8	5.9% 1.2-16.2	59.6% 45.1-73.0	40.4% 27.0-55.0	92.3% 81.5-97.9	7.7% 2.1-18.5	92.2% 81.1-97.8	7.8% 2.2-18.9
G	5	1	6	0	6	0	79	45	6	0	6	0
	83.3% 35.9-99.6	16.7% 0.4-64.1	100.0% 54.1-100	0.0% 0-45.9	100.0% 54.1-100	0.0% 0-45.9	66.7% 22.3-95.7	33.3% 4.3-77.7	100.0% 54.1-100.0	0.0% 0.0-45.9	100.0% 54.1-100	0.0% 0.0-45.9
	p=0.582		p=1.0		p=0.724		p=0.740		p=0.609		p=1.0	

OPRT												
	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
C	<u>3</u>	<u>2</u>	<u>4</u>	<u>1</u>	<u>5</u>	<u>0</u>	<u>2</u>	<u>3</u>	<u>5</u>	<u>0</u>	<u>4</u>	<u>1</u>
	60% <u>14.7-94.7</u>	40% <u>5.3-85.3</u>	80% <u>28.4-99.5</u>	20% <u>20.0</u> 0.5-71.6	100% <u>47.8-100.0</u>	0% <u>0.0-52.18</u>	40% <u>5.3-85.3</u>	60% <u>14.7-94.7</u>	100% <u>47.8-100.0</u>	0% <u>0.0-52.18</u>	80% <u>28.4-99.5</u>	20% <u>0.5-71.6</u>
GC	<u>30</u>	<u>5</u>	<u>33</u>	<u>2</u>	<u>33</u>	<u>2</u>	<u>24</u>	<u>9</u>	<u>34</u>	<u>1</u>	<u>34</u>	<u>1</u>
	85.7% <u>69.7-95.2</u>	14.3% <u>4.8-30.3</u>	94.3% <u>80.8-99.3</u>	5.7% <u>0.7-19.2</u>	94.3% <u>80.8-99.3</u>	5.7% <u>0.7-19.2</u>	72.7% <u>54.5-86.7</u>	27.3% <u>13.3-45.5</u>	97.1% <u>85.1-99.9</u>	2.9% <u>0.07-14.92</u>	97.1% <u>85.1-99.9</u>	2.9% <u>0.1-14.9</u>
G	<u>76</u>	<u>13</u>	<u>88</u>	<u>2</u>	<u>86</u>	<u>3</u>	<u>53</u>	<u>33</u>	<u>84</u>	<u>6</u>	<u>82</u>	<u>7</u>
	85.4% <u>76.3-92.0</u>	14.6% <u>8.0-23.7</u>	97.8% <u>92.2-99.7</u>	2.2% <u>0.3-7.8</u>	96.6% <u>90.5-99.3</u>	3.4% <u>0.7-9.5</u>	61.6% <u>50.5-71.9</u>	38.4% <u>28.1-49.5</u>	93.3% <u>86.1-97.5</u>	6.7% <u>2.5-13.9</u>	92.1% <u>84.5-96.8</u>	7.9% <u>3.2-15.5</u>
	p = 0.283		p = 0.082		p = 0.690		p = 0.303		p = 0.752		p = 0.237	
DPYD2A IVS14+1G>A												
	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
G	<u>108</u>	<u>19</u>	<u>124</u>	<u>4</u>	<u>122</u>	<u>5</u>	<u>79</u>	<u>41</u>	<u>122</u>	<u>6</u>	<u>118</u>	<u>9</u>
	85.0% <u>77.6-90.7</u>	15.0% <u>9.3-22.4</u>	96.9% <u>92.2-99.1</u>	3.1% <u>3.1%</u>	96.1% <u>91.1-98.7</u>	3.9% <u>1.3-8.9</u>	64.8% <u>55.6-73.2</u>	35.2% <u>26.8-44.4</u>	95.3% <u>90.1-98.3</u>	4.7% <u>1.7-9.9</u>	92.9% <u>87.0-96.7</u>	7.1% <u>3.3-13.0</u>
GA	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>0</u>
	0.0% <u>0-97.5</u>	100.0% <u>2.5-1.0</u>	0.0% <u>0.0-97.5</u>	100.0% <u>2.5-100.0</u>	100.0% <u>2.5-100.0</u>	0.0% <u>0-97.5</u>	0.0% <u>0.0-97.5</u>	100.0% <u>2.5-100.0</u>	100.0% <u>2.5-100.0</u>	0.0% <u>0.0-97.5</u>	100.0% <u>2.5-100.0</u>	0.0% <u>0.0-97.5</u>
	p = 0.156		p = 0.039		p = 1.0		p = 0.358		p = 1.0		p = 1.0	
DPYD rs1801159												
	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
A	<u>78</u>	<u>15</u>	<u>90</u>	<u>4</u>	<u>91</u>	<u>2</u>	<u>61</u>	<u>28</u>	<u>90</u>	<u>4</u>	<u>87</u>	<u>6</u>
	83.9% <u>74.8-90.7</u>	16.1% <u>9.3-25.2</u>	95.7% <u>89.5-98.8</u>	4.3% <u>1.2-10.5</u>	97.8% <u>92.4-99.7</u>	2.2% <u>0.3-7.6</u>	68.5% <u>57.8-78.0</u>	31.5% <u>22.0-42.2</u>	95.7% <u>89.5-98.8</u>	4.3% <u>1.2-10.5</u>	93.5% <u>86.5-97.6</u>	6.5% <u>2.4-13.5</u>
AG	<u>23</u>	<u>3</u>	<u>25</u>	<u>1</u>	<u>24</u>	<u>2</u>	<u>13</u>	<u>12</u>	<u>25</u>	<u>1</u>	<u>24</u>	<u>2</u>
	88.5% <u>69.8-97.6</u>	11.5% <u>2.4-30.2</u>	96.2% <u>80.4-99.9</u>	3.8% <u>0.09-19.6</u>	92.3% <u>74.9-99.1</u>	7.7% <u>0.9-25.1</u>	52.0% <u>31.3-72.2</u>	48.0% <u>27.8-68.7</u>	96.2% <u>80.4-99.9</u>	3.8% <u>0.09-19.6</u>	92.3% <u>74.9-99.1</u>	7.7% <u>0.9-25.1</u>
G	<u>7</u>	<u>2</u>	<u>9</u>	<u>0</u>	<u>123</u>	<u>5</u>	<u>5</u>	<u>4</u>	<u>8</u>	<u>1</u>	<u>119</u>	<u>9</u>
	77.8% <u>40.0-97.2</u>	22.2% <u>2.8-60.0</u>	100.0% <u>66.3-100.0</u>	0.0% <u>0.0-33.6</u>	96.1% <u>51.8-99.7</u>	3.9% <u>0.2-48.2</u>	55.6% <u>21.2-86.3</u>	44.4% <u>13.7-78.8</u>	88.9% <u>51.8-99.7</u>	11.1% <u>0.2-48.2</u>	88.9% <u>51.8-99.7</u>	11.1% <u>0.2-48.2</u>
	p = 0.698		p = 1.0		p = 0.143		p = 0.264		p = 0.432		p = 0.700	

ERCC1 rs11615												
	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
C	16	2	18	1	18	0	10	9	16	3	16	2
	88.9% 65.3-98.6	11.1% 1.4-34.7	94.7% 74.0-99.9	5.3% 0.1-26.0	100.0% 81.5-100	0.0% 0.0-18.5	52.6% 28.9-75.6	47.4% 24.5-71.1	84.2% 60.4-96.6	15.8% 3.4-39.6	88.9% 65.3-98.6	11.1% 1.4-43.7
CT	57	12	65	4	67	2	46	19	67	2	65	4
	82.6% 71.6-90.7	17.4% 9.3-28.4	94.2% 85.8-98.4	5.8% 1.6-14.2	97.1% 89.92-99.65	2.9% 0.4-10.1	70.8% 58.2-81.4	29.2% 18.6-41.8	97.1% 89.9-99.6	2.9% 0.4-10.0	94.2% 85.8-98.4	5.8% 1.6-14.2
I	36	6	42	0	39	3	23	17	40	2	39	3
	85.7% 71.5-94.6	14.3% 5.4-28.5	100.0% 91.6-100.0	0.0% 0-8.4	92.9% 80.5-98.5	7.1% 1.5-19.5	57.5% 40.9-73.0	42.5% 27.0-59.1	95.2% 83.8-99.4	4.8% 0.6-16.2	92.9% 80.5-98.5	7.1% 1.5-19.5
	p = 0.839		p = 0.282		p = 0.428		p = 0.216		p = 0.101		p = 0.711	
C	16	2	18	1	18	0	10	9	16	3	16	2
	88.9% 65.3-98.6	11.1% 1.4-34.7	94.7% 74.0-99.9	5.3% 0.1-26.0	100.0% 81.5-100	0.0% 0.0-18.5	52.6% 28.9-75.6	47.4% 24.5-71.1	84.2% 60.4-96.6	15.8% 3.4-39.6	88.9% 65.3-98.6	11.1% 1.4-43.7
CT + T	93	18	107	4	106	5	69	36	107	4	104	7
	83.8% p = 0.737	16.2% p = 0.737	96.4% p = 0.552	3.6% p = 0.552	95.5% p = 1.0	4.5% p = 1.0	65.7% p = 0.306	34.3% p = 0.306	96.4% p = 0.064	3.6% p = 0.064	93.7% p = 0.612	6.3% p = 0.612
ERCC1 rs3212986												
	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
G	51	8	59	0	55	4	33	22	57	2	57	2
	86.4% 75.0-94.0	13.6% 6.0-25.0	100.0% 93.9-100	0.0% 0.0-6.0	93.2% 83.5-98.1	6.8% 1.9-16.5	60.0% 45.9-73.0	40.0% 27.0-54.1	96.6% 88.3-99.6	3.4% 0.4-11.7	96.6% 88.3-99.6	3.4% 0.4-11.7
GT	50	12	58	5	61	1	41	20	59	4	56	6
	80.6% 68.6-89.6	19.4% 10.4-31.4	92.1% 82.4-97.4	7.9% 2.6-17.6	98.4% 91.3-100.0	1.6% 0.04-8.7	67.2% 54.0-78.7	32.8% 21.3-46.0	93.7% 84.5-98.2	6.3% 1.8-15.5	90.3% 80.1-96.4	9.7% 3.6-19.9
I	7	0	7	0	7	0	5	2	7	0	6	1
	100.0% 59.0-100.0	0.0% 0.0-41.0	100.0% 59.0-100.0	0.0% 0.0-41.0	100.0% 59.0-100.0	0.0% 0.0-41.0	71.4% 29.0-96.3	28.6% 3.7-71.0	100.0% 59.0-100.0	0.0% 0.0-41.0	85.7% 42.1-99.6	14.3% 0.4-57.9
	p = 0.438		p = 0.094		p = 0.399		p = 0.676		p = 0.773		p = 0.221	
ERCC2 rs13181												
	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
G	19	4	22	1	22	1	14	8	20	3	23	0
	82.6% 61.2-95.0	17.4% 5.0-38.8	95.7% 78.1-99.9	4.3% 0.1-21.9	95.7% 78.1-99.9	4.3% 0.1-21.9	63.6% 40.7-82.8	36.4% 17.2-59.3	87.0% 66.4-97.2	13.0% 2.8-33.6	100.0% 85.2-100.0	0.0% 0.0-14.8
GT	50	8	56	3	56	2	38	17	56	3	53	5
	86.2% 74.6-93.9	13.8% 6.1-25.4	94.9% 85.9-98.9	5.1% 1.1-14.1	96.6% 88.1-99.6	3.4% 0.4-11.9	69.1% 55.2-80.9	30.9% 19.1-44.8	94.9% 85.9-98.9	5.1% 1.1-14.1	91.4% 81.0-97.1	8.6% 2.9-19.0
I	40	8	47	1	46	2	27	20	47	1	44	4

	<u>83.3%</u> 69.8-92.5	<u>16.7%</u> 7.5-30.2	<u>97.9%</u> 88.9-99.9	<u>2.1%</u> 0.1-11.1	<u>95.8%</u> 85.7-99.5	<u>4.2%</u> 0.5-14.3	<u>57.4%</u> 42.2-71.7	<u>42.6%</u> 28.3-57.8	<u>97.9%</u> 88.9-99.9	<u>2.1%</u> 0.1-11.1	<u>91.7%</u> 80.0-97.7	<u>8.3%</u> 2.3-20.0
	p = 0.853		p = 0.717		p = 1.0		p = 0.483		p = 0.155		p = 0.433	
XRCC1 rs25487												
	N&V		Diarrhoea		Stomatitis		Granulocytes		Haemaglobin		Neuro	
	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
A	<u>17</u>	<u>1</u>	<u>18</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>10</u>	<u>8</u>	<u>17</u>	<u>1</u>	<u>17</u>	<u>1</u>
	<u>94.4%</u> 72.7-99.9	<u>5.6%</u> 0.1-27.3	<u>100.0%</u> 81.5-100.0	<u>0.0%</u> 0.0-18.5	<u>100.0%</u> 81.5-100.0	<u>0.0%</u> 0.0-18.5	<u>55.6%</u> 30.8-78.5	<u>44.4%</u> 21.5-69.2	<u>94.4%</u> 72.7-99.9	<u>5.6%</u> 0.1-27.3	<u>94.4%</u> 72.7-99.9	<u>5.6%</u> 0.1-27.3
AG	<u>45</u>	<u>10</u>	<u>52</u>	<u>4</u>	<u>51</u>	<u>4</u>	<u>35</u>	<u>19</u>	<u>55</u>	<u>1</u>	<u>49</u>	<u>6</u>
	<u>81.8%</u> 69.1-90.9	<u>18.2%</u> 9.1-30.9	<u>92.9%</u> 82.7-98.0	<u>7.1%</u> 2.0-17.3	<u>92.7%</u> 82.4-98.0	<u>7.3%</u> 2.0-17.6	<u>64.8%</u> 50.6-77.3	<u>35.2%</u> 22.7-49.4	<u>98.2%</u> 90.4-100.0	<u>1.8%</u> 0.0-9.6	<u>89.1%</u> 77.8-95.9	<u>10.9%</u> 4.1-22.2
G	<u>46</u>	<u>9</u>	<u>54</u>	<u>1</u>	<u>54</u>	<u>1</u>	<u>34</u>	<u>17</u>	<u>51</u>	<u>4</u>	<u>53</u>	<u>2</u>
	<u>83.6%</u> 71.2-92.2	<u>16.4%</u> 7.8-28.8	<u>98.2%</u> 90.3-100.0	<u>1.8%</u> 0.1-9.7	<u>98.2%</u> 90.3-100.0	<u>1.8%</u> 0.05-9.7	<u>66.7%</u> 52.1-79.2	<u>33.3%</u> 20.8-47.9	<u>92.7%</u> 82.4-98.0	<u>7.3%</u> 2.0-17.6	<u>96.4%</u> 87.5-99.6	<u>3.6%</u> 0.3-8.7
	p = 0.505		p = 0.358		p = 0.359		p = 0.691		p = 0.300		p = 0.367	