

**Additional file 10: Table S8** - Detailed features of all QTLs for seven seed and berry-related traits in four grapevine mapping populations (consensus maps), derived with the MQM method.

Trait	LG	Population	Year <sup>1</sup>	QTL position (cM)		QTL effect			
				LOD peak	CI	LOD	LOD threshold	%var	Largest allelic effects
MBW	1	MTP3140	B	37.4	32.7-43.4	5.3	4.8	5	Af,D
MBW	4	SxG	2005	53.7	47.7-56	5.1	4.6	7	Af,D
MBW	5	MTP3234	2002	24.0	13-32	5.5	4.7	22	Am,D
<b>MBW</b>	<b>8</b>	<b>SxG</b>	<b>B</b>	<b>32.7</b>	<b>24.7-56.3</b>	<b>7.0</b>	<b>4.6</b>	<b>10</b>	<b>Af</b>
<b>MBW</b>	<b>8</b>	<b>SxG</b>	<b>B</b>	<b>46.4</b>	<b>22.7-56.3</b>	<b>6.7</b>	<b>4.6</b>	<b>9</b>	<b>Af</b>
<b>MBW</b>	<b>8</b>	<b>SxG</b>	<b>2005</b>	<b>30.7</b>	<b>21.2-48.4</b>	<b>5.6</b>	<b>4.6</b>	<b>9</b>	<b>Af,D</b>
<b>MBW</b>	<b>8</b>	<b>SxG</b>	<b>2005</b>	<b>42.4</b>	<b>21.2-56.3</b>	<b>4.9</b>	<b>4.6</b>	<b>7</b>	<b>Af</b>
<b>MBW</b>	<b>8</b>	<b>SxG</b>	<b>2006</b>	<b>32.7</b>	<b>24.7-44.4</b>	<b>8.5</b>	<b>4.5</b>	<b>16</b>	<b>Af</b>
<b>MBW</b>	<b>11</b>	<b>MTP3140</b>	<b>B</b>	<b>14.9</b>	<b>9.6-24.9</b>	<b>6.6</b>	<b>4.8</b>	<b>6</b>	<b>Af,Am</b>
<b>MBW</b>	<b>11</b>	<b>MTP3140</b>	<b>1995</b>	<b>3.6</b>	<b>0-10.1</b>	<b>6.1</b>	<b>4.6</b>	<b>11</b>	<b>Am</b>
<b>MBW</b>	<b>11</b>	<b>MTP3140</b>	<b>1998</b>	<b>16.9</b>	<b>9.6-25.7</b>	<b>6.1</b>	<b>4.9</b>	<b>10</b>	<b>Af,Am</b>
MBW	13	SxG	B	23.6	19.1-30.8	6.0	4.6	8	Af
MBW	13	SxG	2005	26.8	19.6-32.2	6.5	4.6	10	Af,D
MBW	14	MTP3140	1999	30.0	21.9-33.7	4.9	4.7	7	Am
<b>MBW</b>	<b>17</b>	<b>MTP3140</b>	<b>B</b>	<b>22.9</b>	<b>21.2-28.3</b>	<b>10.3</b>	<b>4.8</b>	<b>10</b>	<b>Am,D</b>
<b>MBW</b>	<b>17</b>	<b>MTP3140</b>	<b>1995</b>	<b>22.9</b>	<b>21.2-28.3</b>	<b>8.6</b>	<b>4.6</b>	<b>13</b>	<b>Am,D</b>
<b>MBW</b>	<b>17</b>	<b>MTP3140</b>	<b>1998</b>	<b>21.2</b>	<b>18-26.3</b>	<b>7.2</b>	<b>4.9</b>	<b>11</b>	<b>Am,D</b>
<b>MBW</b>	<b>17</b>	<b>MTP3140</b>	<b>1999</b>	<b>22.9</b>	<b>21.2-28.3</b>	<b>4.9</b>	<b>4.7</b>	<b>7</b>	<b>Am</b>
<b>MBW</b>	<b>17</b>	<b>SxG</b>	<b>B</b>	<b>16.1</b>	<b>11.3-20.1</b>	<b>17.1</b>	<b>4.6</b>	<b>23</b>	<b>Am</b>
<b>MBW</b>	<b>17</b>	<b>SxG</b>	<b>2005</b>	<b>13.3</b>	<b>9.3-18.1</b>	<b>15.5</b>	<b>4.6</b>	<b>24</b>	<b>Am</b>
<b>MBW</b>	<b>17</b>	<b>SxG</b>	<b>2006</b>	<b>14.1</b>	<b>9.3-20.4</b>	<b>9.7</b>	<b>4.5</b>	<b>15</b>	<b>Am</b>
<b>MBW</b>	<b>17</b>	<b>SxG</b>	<b>2007</b>	<b>13.3</b>	<b>9.3-20.4</b>	<b>15.4</b>	<b>4.6</b>	<b>29</b>	<b>Am</b>
<b>MBW</b>	<b>17</b>	<b>SxG</b>	<b>2007</b>	<b>16.1</b>	<b>11.3-20.4</b>	<b>16.2</b>	<b>4.6</b>	<b>31</b>	<b>Am</b>
<b>MBW</b>	<b>18</b>	<b>MTP3140</b>	<b>B</b>	<b>93.0</b>	<b>87.6-93.3</b>	<b>38.6</b>	<b>4.8</b>	<b>61</b>	<b>Af,Am</b>
<b>MBW</b>	<b>18</b>	<b>MTP3140</b>	<b>1994</b>	<b>91.0</b>	<b>87.6-93.3</b>	<b>26.1</b>	<b>4.9</b>	<b>61</b>	<b>Af,Am</b>
<b>MBW</b>	<b>18</b>	<b>MTP3140</b>	<b>1995</b>	<b>93.0</b>	<b>91-93.3</b>	<b>27.4</b>	<b>4.6</b>	<b>58</b>	<b>Af,Am</b>
<b>MBW</b>	<b>18</b>	<b>MTP3140</b>	<b>1996</b>	<b>91.0</b>	<b>87.6-93.3</b>	<b>17.1</b>	<b>4.7</b>	<b>49</b>	<b>Af,Am</b>
<b>MBW</b>	<b>18</b>	<b>MTP3140</b>	<b>1998</b>	<b>93.0</b>	<b>87.6-93.3</b>	<b>22.2</b>	<b>4.9</b>	<b>45</b>	<b>Af,Am</b>
<b>MBW</b>	<b>18</b>	<b>MTP3140</b>	<b>1999</b>	<b>89.6</b>	<b>87.6-93</b>	<b>28.3</b>	<b>4.7</b>	<b>58</b>	<b>Af,Am</b>
<b>MBW</b>	<b>18</b>	<b>SxG</b>	<b>B</b>	<b>36.9</b>	<b>34-42.9</b>	<b>6.6</b>	<b>4.6</b>	<b>8</b>	<b>Am</b>
<b>MBW</b>	<b>18</b>	<b>SxG</b>	<b>2006</b>	<b>34.9</b>	<b>32.6-42.9</b>	<b>5.9</b>	<b>4.5</b>	<b>9</b>	<b>Am</b>
<b>MBW</b>	<b>18</b>	<b>SxG</b>	<b>2007</b>	<b>36.9</b>	<b>34-43.3</b>	<b>5.0</b>	<b>4.6</b>	<b>9</b>	<b>Am,D</b>
RESFW	5	MTP3346	B	0.0	0-7.3	4.0	3.8	5	Af
<b>RESFW</b>	<b>8</b>	<b>SxG</b>	<b>B</b>	<b>32.7</b>	<b>21.2-56.3</b>	<b>8.1</b>	<b>4.6</b>	<b>10</b>	<b>Af</b>
<b>RESFW</b>	<b>8</b>	<b>SxG</b>	<b>B</b>	<b>46.4</b>	<b>21.2-56.3</b>	<b>8.0</b>	<b>4.6</b>	<b>10</b>	<b>Af</b>
<b>RESFW</b>	<b>8</b>	<b>SxG</b>	<b>2005</b>	<b>30.7</b>	<b>21.2-48.4</b>	<b>5.9</b>	<b>4.6</b>	<b>9</b>	<b>Af</b>
<b>RESFW</b>	<b>8</b>	<b>SxG</b>	<b>2005</b>	<b>40.4</b>	<b>21.2-54.4</b>	<b>5.3</b>	<b>4.6</b>	<b>8</b>	<b>Af</b>
<b>RESFW</b>	<b>8</b>	<b>SxG</b>	<b>2006</b>	<b>34.7</b>	<b>26.7-52.4</b>	<b>10.6</b>	<b>4.6</b>	<b>16</b>	<b>Af</b>
<b>RESFW</b>	<b>8</b>	<b>SxG</b>	<b>2006</b>	<b>44.4</b>	<b>28.7-52.4</b>	<b>10.7</b>	<b>4.6</b>	<b>17</b>	<b>Af,Am</b>
<b>RESFW</b>	<b>8</b>	<b>SxG</b>	<b>2007</b>	<b>17.2</b>	<b>9.2-34.7</b>	<b>4.9</b>	<b>4.5</b>	<b>7</b>	<b>Af</b>
RESFW	11	MTP3140	1995	3.6	0-9.6	6.3	4.7	26	Am
<b>RESFW</b>	<b>13</b>	<b>SxG</b>	<b>B</b>	<b>6.0</b>	<b>0-19.6</b>	<b>8.5</b>	<b>4.6</b>	<b>10</b>	<b>Af,Am</b>
<b>RESFW</b>	<b>13</b>	<b>SxG</b>	<b>B</b>	<b>11.1</b>	<b>0-19.6</b>	<b>8.9</b>	<b>4.6</b>	<b>11</b>	<b>Af,Am</b>
<b>RESFW</b>	<b>13</b>	<b>SxG</b>	<b>2005</b>	<b>26.8</b>	<b>19.6-32.2</b>	<b>9.7</b>	<b>4.6</b>	<b>18</b>	<b>Af</b>



<b>MSN</b>	<b>2</b>	<b>SxG</b>	<b>B</b>	<b>12.0</b>	<b>6-18</b>	<b>17.5</b>	<b>4.6</b>	<b>37</b>	<b>Am,D</b>
<b>MSN</b>	<b>2</b>	<b>SxG</b>	<b>2005</b>	<b>14.0</b>	<b>8-21.3</b>	<b>11.1</b>	<b>4.6</b>	<b>30</b>	<b>Am,D</b>
<b>MSN</b>	<b>2</b>	<b>SxG</b>	<b>2006</b>	<b>12.0</b>	<b>2-23.3</b>	<b>5.5</b>	<b>4.7</b>	<b>12</b>	<b>Am,D</b>
<b>MSN</b>	<b>2</b>	<b>SxG</b>	<b>2007</b>	<b>12.0</b>	<b>6-18</b>	<b>24.8</b>	<b>4.7</b>	<b>48</b>	<b>Af,Am,D</b>
<b>MSN</b>	<b>4</b>	<b>SxG</b>	<b>B</b>	<b>53.7</b>	<b>49.7-56</b>	<b>13.9</b>	<b>4.6</b>	<b>24</b>	<b>Af</b>
<b>MSN</b>	<b>4</b>	<b>SxG</b>	<b>2005</b>	<b>56.0</b>	<b>49.7-56</b>	<b>8.1</b>	<b>4.6</b>	<b>15</b>	<b>Af</b>
<b>MSN</b>	<b>4</b>	<b>SxG</b>	<b>2006</b>	<b>56.0</b>	<b>51.7-56</b>	<b>15.8</b>	<b>4.7</b>	<b>29</b>	<b>Af</b>
<b>MSN</b>	<b>4</b>	<b>SxG</b>	<b>2007</b>	<b>53.7</b>	<b>47.7-56</b>	<b>9.0</b>	<b>4.7</b>	<b>14</b>	<b>Af</b>
MSN	8	MTP3346	B	16.5	6-16.5	3.7	3.7	4	Am,D
MSN	14	MTP3234	B	28.0	19-34	7.4	4.5	25	Af,Am
MSN	14	MTP3234	B	22.0	19-36	6.6	4.5	19	Af,Am
MSN	14	MTP3234	2004	30.0	24-36	8.2	4.6	28	Af,Am
MSN	14	MTP3234	2004	22.0	19-37	6.4	4.6	19	Af,Am
<b>MSN</b>	<b>14</b>	<b>MTP3346</b>	<b>B</b>	<b>29.9</b>	<b>23.9-35.9</b>	<b>12.4</b>	<b>3.7</b>	<b>19</b>	<b>Am,D</b>
<b>MSN</b>	<b>14</b>	<b>MTP3346</b>	<b>2003</b>	<b>29.9</b>	<b>23.9-35.9</b>	<b>9.9</b>	<b>4.0</b>	<b>17</b>	<b>Am,D</b>
<b>MSN</b>	<b>14</b>	<b>MTP3346</b>	<b>2005</b>	<b>27.9</b>	<b>19.9-36.4</b>	<b>5.2</b>	<b>3.9</b>	<b>23</b>	<b>Af,D</b>
<b>MSN</b>	<b>18</b>	<b>MTP3140</b>	<b>B</b>	<b>93.3</b>	<b>89.6-94.9</b>	<b>24.4</b>	<b>6.3</b>	<b>57</b>	<b>Af,D</b>
<b>MSN</b>	<b>18</b>	<b>MTP3140</b>	<b>1994</b>	<b>98.3</b>	<b>96.5-98.3</b>	<b>21.3</b>	<b>9.5</b>	<b>59</b>	<b>Af,Am</b>
<b>MSN</b>	<b>18</b>	<b>MTP3140</b>	<b>1998</b>	<b>94.9</b>	<b>93-96.5</b>	<b>17.4</b>	<b>4.8</b>	<b>51</b>	<b>Af,Am,D</b>
<b>MSN</b>	<b>18</b>	<b>MTP3140</b>	<b>1999</b>	<b>93.3</b>	<b>89.6-94.9</b>	<b>8.2</b>	<b>4.7</b>	<b>27</b>	<b>Af,D</b>
TFSW	1	SxG	2006	37.1	31.9-39.3	4.7	4.6	9	Af,Am
<b>TFSW</b>	<b>4</b>	<b>SxG</b>	<b>B</b>	<b>56.0</b>	<b>51.7-56</b>	<b>12.8</b>	<b>4.7</b>	<b>27</b>	<b>Af</b>
<b>TFSW</b>	<b>4</b>	<b>SxG</b>	<b>2006</b>	<b>56.0</b>	<b>51.7-56</b>	<b>14.2</b>	<b>4.6</b>	<b>29</b>	<b>Af</b>
<b>TFSW</b>	<b>4</b>	<b>SxG</b>	<b>2007</b>	<b>56.0</b>	<b>51.7-56</b>	<b>9.8</b>	<b>4.6</b>	<b>22</b>	<b>Af</b>
TFSW	5	MTP3346	B	7.3	2-13.3	10.1	3.7	11	Af,Am
TFSW	5	MTP3346	2003	6.0	2-11.3	10.9	3.8	13	Af,Am
TFSW	8	MTP3140	1998	64.3	56.3-69	5.6	5.0	3	Af,Am
TFSW	12	MTP3346	B	24.6	14.6-34.3	7.1	3.7	10	Af,Am
TFSW	12	MTP3346	2003	24.6	14-34.3	5.7	3.8	8	Af,Am
TFSW	14	MTP3234	B	28.0	24-34	11.0	4.7	36	Af,Am,D
TFSW	14	MTP3234	2004	30.0	24-34	12.8	4.5	41	Af,D
TFSW	14	MTP3346	B	27.9	21.9-33.9	12.6	3.7	19	D
TFSW	14	MTP3346	2003	27.9	23.9-33.9	12.2	3.8	19	D
<b>TFSW</b>	<b>18</b>	<b>MTP3140</b>	<b>B</b>	<b>93.0</b>	<b>91-93.3</b>	<b>45.6</b>	<b>6.8</b>	<b>80</b>	<b>Af,Am</b>
<b>TFSW</b>	<b>18</b>	<b>MTP3140</b>	<b>1996</b>	<b>93.0</b>	<b>91-93.3</b>	<b>32.5</b>	<b>7.5</b>	<b>75</b>	<b>Af,Am</b>
<b>TFSW</b>	<b>18</b>	<b>MTP3140</b>	<b>1998</b>	<b>93.0</b>	<b>91-93.3</b>	<b>45.4</b>	<b>5.0</b>	<b>82</b>	<b>Af,Am</b>
<b>TFSW</b>	<b>18</b>	<b>MTP3140</b>	<b>1999</b>	<b>91.0</b>	<b>89.6-93</b>	<b>40.6</b>	<b>5.7</b>	<b>78</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>1</b>	<b>SxG</b>	<b>B</b>	<b>21.1</b>	<b>17.7-31.9</b>	<b>8.0</b>	<b>4.6</b>	<b>13</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>1</b>	<b>SxG</b>	<b>B</b>	<b>25.9</b>	<b>17.7-31.9</b>	<b>7.7</b>	<b>4.6</b>	<b>13</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>1</b>	<b>SxG</b>	<b>2006</b>	<b>23.1</b>	<b>19.1-33.1</b>	<b>6.7</b>	<b>4.7</b>	<b>15</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>1</b>	<b>SxG</b>	<b>2006</b>	<b>27.9</b>	<b>19.1-33.1</b>	<b>6.6</b>	<b>4.7</b>	<b>15</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>1</b>	<b>SxG</b>	<b>2007</b>	<b>17.7</b>	<b>14-23.9</b>	<b>5.8</b>	<b>4.4</b>	<b>9</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>1</b>	<b>SxG</b>	<b>2007</b>	<b>21.1</b>	<b>14-23.9</b>	<b>5.8</b>	<b>4.4</b>	<b>9</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>2</b>	<b>SxG</b>	<b>B</b>	<b>10.0</b>	<b>4-18</b>	<b>18.3</b>	<b>4.6</b>	<b>40</b>	<b>Am,D</b>
<b>MSFW</b>	<b>2</b>	<b>SxG</b>	<b>2005</b>	<b>12.0</b>	<b>4-18</b>	<b>11.3</b>	<b>4.6</b>	<b>35</b>	<b>Am</b>
<b>MSFW</b>	<b>2</b>	<b>SxG</b>	<b>2006</b>	<b>10.0</b>	<b>2-20</b>	<b>7.8</b>	<b>4.7</b>	<b>21</b>	<b>Am,D</b>
<b>MSFW</b>	<b>2</b>	<b>SxG</b>	<b>2006</b>	<b>25.3</b>	<b>0-33.3</b>	<b>5.7</b>	<b>4.7</b>	<b>13</b>	<b>Am,D</b>

<b>MSFW</b>	<b>2</b>	<b>SxG</b>	<b>2007</b>	<b>10.0</b>	<b>4-16</b>	<b>21.4</b>	<b>4.4</b>	<b>45</b>	<b>Am,D</b>
MSFW	5	MTP3346	B	6.0	0-11.3	10.8	3.8	13	Af,Am
MSFW	5	MTP3346	2003	6.0	0-11.3	10.2	3.9	13	Af,Am
MSFW	11	MTP3234	2004	35.0	25-62	4.7	4.6	14	Af,Am
<b>MSFW</b>	<b>12</b>	<b>MTP3140</b>	<b>B</b>	<b>14.1</b>	<b>4.1-21</b>	<b>6.5</b>	<b>4.7</b>	<b>2</b>	<b>Am,D</b>
<b>MSFW</b>	<b>12</b>	<b>MTP3140</b>	<b>1995</b>	<b>4.1</b>	<b>0-15</b>	<b>6.7</b>	<b>4.6</b>	<b>3</b>	<b>Am,D</b>
<b>MSFW</b>	<b>12</b>	<b>MTP3140</b>	<b>1999</b>	<b>15.0</b>	<b>2.1-23</b>	<b>5.7</b>	<b>5.1</b>	<b>3</b>	<b>Am</b>
MSFW	12	MTP3346	B	30.6	20.6-34.3	6.3	3.8	8	Af,Am
MSFW	12	MTP3346	2003	30.6	18.6-34.3	6.0	3.9	8	Af,Am
MSFW	14	MTP3140	1995	47.5	46.1-52.5	5.7	4.6	2	Am
MSFW	14	MTP3234	B	32.0	26-36	7.8	4.5	30	Af,D
MSFW	14	MTP3234	2004	30.0	26-36	8.3	4.6	27	Af,D
MSFW	14	MTP3346	B	12.0	0-33.9	4.0	3.8	6	D
MSFW	14	MTP3346	2003	27.9	19.9-35.9	4.4	3.9	7	D
MSFW	16	MTP3234	2003	12.0	8-17	5.5	4.6	19	Af,Am
<b>MSFW</b>	<b>18</b>	<b>MTP3140</b>	<b>B</b>	<b>93.0</b>	<b>91-93.3</b>	<b>61.4</b>	<b>4.7</b>	<b>87</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>18</b>	<b>MTP3140</b>	<b>1994</b>	<b>91.0</b>	<b>87.6-93</b>	<b>31.5</b>	<b>5.3</b>	<b>76</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>18</b>	<b>MTP3140</b>	<b>1995</b>	<b>91.0</b>	<b>87.6-93</b>	<b>9.7</b>	<b>4.6</b>	<b>1</b>	<b>Af,D</b>
<b>MSFW</b>	<b>18</b>	<b>MTP3140</b>	<b>1995</b>	<b>98.3</b>	<b>96.5-98.3</b>	<b>9.5</b>	<b>4.6</b>	<b>8</b>	<b>Am,D</b>
<b>MSFW</b>	<b>18</b>	<b>MTP3140</b>	<b>1998</b>	<b>93.0</b>	<b>91-93.3</b>	<b>46.3</b>	<b>4.9</b>	<b>87</b>	<b>Af,Am</b>
<b>MSFW</b>	<b>18</b>	<b>MTP3140</b>	<b>1999</b>	<b>91.0</b>	<b>89.6-93</b>	<b>55.8</b>	<b>5.1</b>	<b>84</b>	<b>Af,Am</b>
%SDM	4	MTP3346	B	14.0	4-15.9	4.1	3.8	5	Af,Am
%SDM	4	MTP3346	2003	14.0	4-15.9	4.7	3.8	6	Af,Am
<b>%SDM</b>	<b>5</b>	<b>MTP3346</b>	<b>B</b>	<b>2.0</b>	<b>0-6</b>	<b>17.4</b>	<b>3.8</b>	<b>20</b>	<b>Af,Am</b>
<b>%SDM</b>	<b>5</b>	<b>MTP3346</b>	<b>2003</b>	<b>2.0</b>	<b>0-6</b>	<b>13.8</b>	<b>3.8</b>	<b>17</b>	<b>Af,Am</b>
<b>%SDM</b>	<b>5</b>	<b>MTP3346</b>	<b>2005</b>	<b>2.0</b>	<b>0-6</b>	<b>9.3</b>	<b>4.0</b>	<b>31</b>	<b>Af,Am</b>
<b>%SDM</b>	<b>14</b>	<b>MTP3234</b>	<b>B</b>	<b>37.0</b>	<b>24-41</b>	<b>12.3</b>	<b>4.6</b>	<b>46</b>	<b>Am,D</b>
<b>%SDM</b>	<b>14</b>	<b>MTP3234</b>	<b>B</b>	<b>32.0</b>	<b>28-36</b>	<b>16.1</b>	<b>4.6</b>	<b>51</b>	<b>Am,D</b>
<b>%SDM</b>	<b>14</b>	<b>MTP3234</b>	<b>2003</b>	<b>32.0</b>	<b>26-36</b>	<b>6.3</b>	<b>4.9</b>	<b>35</b>	<b>Am,D</b>
<b>%SDM</b>	<b>14</b>	<b>MTP3234</b>	<b>2004</b>	<b>32.0</b>	<b>26-36</b>	<b>13.0</b>	<b>4.7</b>	<b>46</b>	<b>Am,D</b>
<b>%SDM</b>	<b>18</b>	<b>MTP3140</b>	<b>B</b>	<b>93.0</b>	<b>91-93.3</b>	<b>47.9</b>	<b>4.6</b>	<b>84</b>	<b>Af,Am</b>
<b>%SDM</b>	<b>18</b>	<b>MTP3140</b>	<b>1998</b>	<b>89.6</b>	<b>87.6-91</b>	<b>11.5</b>	<b>4.7</b>	<b>5</b>	<b>Af,Am</b>
<b>%SDM</b>	<b>18</b>	<b>MTP3140</b>	<b>1998</b>	<b>93.0</b>	<b>87.6-93.3</b>	<b>10.4</b>	<b>4.7</b>	<b>3</b>	<b>Af,Am</b>
<b>%SDM</b>	<b>18</b>	<b>MTP3140</b>	<b>1999</b>	<b>91.0</b>	<b>87.6-93</b>	<b>33.3</b>	<b>5.2</b>	<b>35</b>	<b>Af,Am</b>

QTLs present in at least two years are outlined in bold.

MBW: mean berry weight; MSN: mean seed number; TSWF: total seed fresh weight; MSFW: mean seed fresh weight; %SDM: seed dry matter percentage; RESN: residual berry weight unexplained by seed number; RESFW: residual berry weight unexplained by total seed fresh weight

CI: confidence interval

Major allelic effects: Af female, Am male, D dominance

<sup>1</sup> B stands for inter-year BLUP