

**Table S3.** Differential polyphenol metabolites down-regulated in the comparison of day 0 and day 25 jam samples.

NO.	Metabolite	Formula	Class I	CAS ID
1	Cubebinone	C <sub>23</sub> H <sub>26</sub> O <sub>8</sub>	Lignans and derivatives	101751-71-7
2	2'-Hydroxygenistein 7-(6"-malonylglucoside)	C <sub>24</sub> H <sub>22</sub> O <sub>14</sub>	Flavonoids	137351-13-4
3	Epigallocatechin gallate	C <sub>22</sub> H <sub>18</sub> O <sub>11</sub>	Flavonoids	989-51-5
4	Catechin 3'-glucuronide	C <sub>21</sub> H <sub>22</sub> O <sub>12</sub>	Flavonoids	853728-25-3
5	Quercetin 3-glucoside 7-xyloside	C <sub>26</sub> H <sub>28</sub> O <sub>16</sub>	Flavonoids	79592-61-3
6	Feruloyl C1-glucuronide	C <sub>16</sub> H <sub>18</sub> O <sub>10</sub>	Phenolic acids and derivatives	-
7	Kaempferol-3-O-Arabinofuranoside	C <sub>20</sub> H <sub>18</sub> O <sub>10</sub>	Flavonoids	-
8	Limocitrin 3-rhamnoside	C <sub>23</sub> H <sub>24</sub> O <sub>12</sub>	Flavonoids	90456-56-7
9	(+)-taxifolin	C <sub>15</sub> H <sub>12</sub> O <sub>7</sub>	Flavonoids	480-18-2
10	Neocarthamin	C <sub>21</sub> H <sub>22</sub> O <sub>11</sub>	Flavonoids	-
11	Cichoriin	C <sub>15</sub> H <sub>16</sub> O <sub>9</sub>	Coumarins and derivatives	531-58-8
12	Serotonin	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O	Indoles and derivatives	50-67-9
13	2,4',5,7-Tetrahydroxyflavanone	C <sub>15</sub> H <sub>12</sub> O <sub>6</sub>	Flavonoids	58124-18-8
14	Daidzein 7-O-glucuronide	C <sub>21</sub> H <sub>18</sub> O <sub>10</sub>	Flavonoids	-
15	Conidendrin	C <sub>20</sub> H <sub>20</sub> O <sub>6</sub>	Lignans and derivatives	518-55-8
16	Isovitexin 2"-O-glucoside	C <sub>27</sub> H <sub>30</sub> O <sub>15</sub>	Flavonoids	60767-80-8
17	Diospyrin	C <sub>21</sub> H <sub>24</sub> O <sub>13</sub>	Flavonoids	27838-81-9;2 8164-57-0
18	Isoeriocitrin	C <sub>27</sub> H <sub>32</sub> O <sub>15</sub>	Flavonoids	-
19	Astilbin	C <sub>21</sub> H <sub>22</sub> O <sub>11</sub>	Flavonoids	29838-67-3
20	Kuwanon Z	C <sub>34</sub> H <sub>26</sub> O <sub>10</sub>	Flavonoids	104931-21-7
21	Luteoforol	C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>	Flavonoids	24897-98-1
22	2'-O-Methylisiquiritigenin	C <sub>16</sub> H <sub>14</sub> O <sub>4</sub>	Flavonoids	112408-67-0
23	4-Methylumbelliferone glucuronide	C <sub>16</sub> H <sub>16</sub> O <sub>9</sub>	Coumarins and derivatives	6160-80-1
24	Isovitexin 2"-(6"-p-coumaroylglucoside)	C <sub>36</sub> H <sub>36</sub> O <sub>17</sub>	Flavonoids	-
25	Neoeriocitrin	C <sub>27</sub> H <sub>32</sub> O <sub>15</sub>	Flavonoids	13241-32-2
26	Daidzein 4'-O-glucuronide	C <sub>21</sub> H <sub>18</sub> O <sub>10</sub>	Flavonoids	-
27	Dihydroisorhamnetin	C <sub>16</sub> H <sub>14</sub> O <sub>7</sub>	Flavonoids	55812-91-4
28	L-Epicatechol	C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>	Flavonoids	490-46-0
29	Kaempferol 3-O-arabinoside	C <sub>20</sub> H <sub>18</sub> O <sub>10</sub>	Flavonoids	-
30	2,4,6-Trihydroxybenzoic acid	C <sub>7</sub> H <sub>6</sub> O <sub>5</sub>	Phenolic acids and derivatives	83-30-7
31	Pipecolic acid betaine	C <sub>21</sub> H <sub>20</sub> O <sub>10</sub>	Flavonoids	472-22-0

32	3,7-Dimethylquercetin	C <sub>17</sub> H <sub>14</sub> O <sub>7</sub>	Flavonoids	2068/2/2
33	2'-Hydroxygenistein	C <sub>15</sub> H <sub>10</sub> O <sub>6</sub>	Flavonoids	1156-78-1
34	3-Galloylgallocatechin	C <sub>22</sub> H <sub>18</sub> O <sub>11</sub>	Flavonoids	5127-64-0
35	5,7,3'-Trihydroxy-4'-methoxyflavan one	C <sub>16</sub> H <sub>14</sub> O <sub>6</sub>	Flavonoids	520-33-2
36	Glyceollin III	C <sub>20</sub> H <sub>18</sub> O <sub>5</sub>	Flavonoids	61080-23-7
37	Scolymoside	C <sub>27</sub> H <sub>30</sub> O <sub>15</sub>	Flavonoids	25694-72-8
38	Catechin 7-glucuronide	C <sub>21</sub> H <sub>22</sub> O <sub>12</sub>	Flavonoids	1146696-34- 5
39	Maesopsin 6-glucoside	C <sub>21</sub> H <sub>22</sub> O <sub>11</sub>	Flavonoids	-
40	Naringin	C <sub>27</sub> H <sub>32</sub> O <sub>14</sub>	Flavonoids	10236-47-2
41	Melitric acid B	C <sub>27</sub> H <sub>20</sub> O <sub>11</sub>	Phenolic acids and derivatives	153765-46-9
42	Bergapten	C <sub>12</sub> H <sub>8</sub> O <sub>4</sub>	Coumarins and derivatives	484-20-8
43	Tricetin	C <sub>15</sub> H <sub>10</sub> O <sub>7</sub>	Flavonoids	520-31-0
44	3'-Hydroxygenistein	C <sub>15</sub> H <sub>10</sub> O <sub>6</sub>	Flavonoids	-
45	Capillarisin	C <sub>16</sub> H <sub>12</sub> O <sub>7</sub>	Coumarins and derivatives	56365-38-9
46	Quercetin 3-O-rhamnoside	C <sub>21</sub> H <sub>20</sub> O <sub>11</sub>	Flavonoids	522-12-3
47	(-)-Epigallocatechin	C <sub>15</sub> H <sub>14</sub> O <sub>7</sub>	Flavonoids	970-74-1
48	Dattelic acid	C <sub>16</sub> H <sub>16</sub> O <sub>8</sub>	Phenolic acids and derivatives	73263-62-4
49	Medicocarpin	C <sub>22</sub> H <sub>24</sub> O <sub>9</sub>	Flavonoids	52766-70-8
50	Kaempferol 3-xylosylglucoside	C <sub>26</sub> H <sub>28</sub> O <sub>15</sub>	Flavonoids	29322-07-4
51	Hovenitin I	C <sub>16</sub> H <sub>14</sub> O <sub>8</sub>	Flavonoids	71106-82-6
52	Alpha-(1,2-Dihydroxyethyl)-1,2,3,4- tetrahydro-7-hydroxy-9-methoxy-3,4- -dioxocyclopenta[c][1]benzopyran-6 -acetaldehyde	C <sub>17</sub> H <sub>16</sub> O <sub>8</sub>	Coumarins and derivatives	-
53	Aflatoxin B1 diol	C <sub>17</sub> H <sub>14</sub> O <sub>8</sub>	Coumarins and derivatives	50668-79-6
54	Epicatechin	C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>	Flavonoids	490-46-0;154 -23-4