

Table 1 Information of CML gene family in melon

Gene	Gene No.	Number of EF-hands	of pI	Number of amino acids	Molecular weight (KD)	Subcellular location
<i>CmCML1</i>	MELO3C018445.2.1	4	8.83	184	21 045.03	Vacuole
<i>CmCML2</i>	MELO3C023443.2.1	1	4.68	175	19 835.55	Cell membrane
<i>CmCML3</i>	MELO3C015602.2.1	4	4.12	149	16 875.72	Cell membrane and Cytoplasm
<i>CmCML4</i>	MELO3C017353.2.1	4	4.35	188	20 615.86	Cell membrane
<i>CmCML5</i>	MELO3C017273.2.1	4	4.18	160	17 393.71	Vacuole
<i>CmCML6</i>	MELO3C026214.2.1	3	4.51	142	15 849.99	Vacuole
<i>CmCML7</i>	MELO3C008204.2.1	4	4.43	140	15 669.84	Cell membrane
<i>CmCML8</i>	MELO3C008466.2.1	3	4.35	161	18 686.25	Cell membrane
<i>CmCML9</i>	MELO3C030156.2.1	2	4.71	83	9 295.51	Cell membrane
<i>CmCML10</i>	MELO3C011166.2.1	2	4.58	174	19 272.09	Cell membrane
<i>CmCML11</i>	MELO3C010876.2.1	3	9.28	167	18 984.7	Cell membrane
<i>CmCML12</i>	MELO3C010875.2.1	1	5.23	87	10 089.26	Cell membrane
<i>CmCML13</i>	MELO3C010870.2.1	3	5.07	137	15 536.75	Cell membrane
<i>CmCML14</i>	MELO3C010869.2.1	1	5.29	87	10 060.3	Cell membrane
<i>CmCML15</i>	MELO3C010868.2.1	1	6.57	91	10 543.03	Cell membrane
<i>CmCML16</i>	MELO3C010865.2.1	1	9.57	81	9 306.69	Cell membrane
<i>CmCML17</i>	MELO3C010864.2.1	1	5.84	87	9 787.95	Cell membrane
<i>CmCML18</i>	MELO3C010863.2.1	2	8.89	92	10 485.81	Cell membrane
<i>CmCML19</i>	MELO3C003889.2.1	3	4.76	176	19 904.67	Cell membrane
<i>CmCML20</i>	MELO3C009858.2.1	2	4.26	118	14 047.69	Cell membrane
<i>CmCML21</i>	MELO3C009818.2.1	2	4.88	168	18 415.68	Cell membrane and Nucleus
<i>CmCML22</i>	MELO3C009094.2.1	3	5.35	248	27 875.74	Cell membrane
<i>CmCML23</i>	MELO3C014698.2.1	3	4.19	113	12 896.33	Cell membrane and Cytoplasm
<i>CmCML24</i>	MELO3C014322.2.1	4	4.10	149	16 983.88	Cell membrane and Cytoplasm
<i>CmCML25</i>	MELO3C014279.2.1	4	4.39	164	19 261.65	Cell membrane and Vacuole
<i>CmCML26</i>	MELO3C004375.2.1	4	4.06	146	16 914.07	Cell membrane and Cytoplasm
<i>CmCML27</i>	MELO3C004465.2.1	4	4.59	225	25 278.25	Cell membrane, Nucleus and Vacuole
<i>CmCML28</i>	MELO3C006312.2.1	1	7.63	186	21 597.78	Cell membrane
<i>CmCML29</i>	MELO3C006491.2.1	4	4.08	150	17 057.16	Cell membrane and Cytoplasm
<i>CmCML30</i>	MELO3C006721.2.1	3	4.48	154	16 751.5	Cell membrane
<i>CmCML31</i>	MELO3C020277.2.1	2	4.88	123	13 913.46	Cell membrane
<i>CmCML32</i>	MELO3C020263.2.1	4	4.60	157	17 010.93	Cell membrane
<i>CmCML33</i>	MELO3C032128.2.1	4	4.55	141	16 033.19	Cell membrane
<i>CmCML34</i>	MELO3C016569.2.1	1	4.15	118	13 339.1	Cell membrane
<i>CmCML35</i>	MELO3C025433.2.1	1	4.67	123	13 766.57	Cell membrane
<i>CmCML36</i>	MELO3C013829.2.1	4	4.43	163	18147.28	Vacuole
<i>CmCML37</i>	MELO3C013982.2.1	3	4.82	147	16716.89	Cell membrane and Vacuole
<i>CmCML38</i>	MELO3C014128.2.1	1	4.62	221	25 500.19	Cell membrane
<i>CmCML39</i>	MELO3C016746.2.1	1	5.26	97	10 965.25	Cell membrane
<i>CmCML40</i>	MELO3C010454.2.1	1	3.99	174	18 711.15	Cell membrane
<i>CmCML41</i>	MELO3C017712.2.1	4	4.33	150	17 012.18	Cell membrane
<i>CmCML42</i>	MELO3C017844.2.1	1	4.44	175	20 051.82	Cell membrane
<i>CmCML43</i>	MELO3C007998.2.1	3	4.74	226	25 896.31	Cell membrane
<i>CmCML44</i>	MELO3C020725.2.1	3	4.69	192	21 374.7	Cell membrane
<i>CmCML45</i>	MELO3C026331.2.1	2	6.20	291	31 091.61	Cell membrane and Nucleus
<i>CmCML46</i>	MELO3C026342.2.1	4	4.11	149	16 847.67	Cell membrane and Cytoplasm
<i>CmCML47</i>	MELO3C021998.2.1	4	4.39	181	20 230.89	Cell membrane
<i>CmCML48</i>	MELO3C022853.2.1	2	4.38	84	9 338.29	Cell membrane
<i>CmCML49</i>	MELO3C005073.2.1	4	4.80	375	44 211.46	Cell membrane

Continued Table 1

<i>Gene</i>	Gene No.	Number EF-hands	of pI	Number amino acids	of Molecular weight/KD	Subcellular location
<i>CmCML50</i>	MELO3C005272.2.1	4	4.49	182	19 775.04	Vacuole
<i>CmCML51</i>	MELO3C005319.2.1	4	4.31	144	15 969.01	Cell membrane
<i>CmCML52</i>	MELO3C012195.2.1	4	4.38	161	17 754.9	Vacuole
<i>CmCML53</i>	MELO3C011760.2.1	3	4.41	358	42 038.31	Cell membrane
<i>CmCML54</i>	MELO3C026437.2.1	4	4.37	185	19 993.17	Vacuole
<i>CmCML55</i>	MELO3C020900.2.1	4	5.26	190	21 229.87	Cell membrane
<i>CmCML56</i>	MELO3C020899.2.1	4	4.72	168	19 258.56	Cell membrane
<i>CmCML57</i>	MELO3C013504.2.1	1	4.96	169	19 201.8	Cell membrane
<i>CmCML58</i>	MELO3C022506.2.1	1	5.63	101	11 806.47	Cell membrane
<i>CmCML59</i>	MELO3C004702.2.1	2	5.36	266	29 867.01	Cell membrane and Nucleus
<i>CmCML60</i>	MELO3C001988.2.1	2	4.22	211	24 227.2	Cell membrane