

Table 1 Sequence characteristics of *OSCA* gene family in *P. trichocarpa*

Name	Gene ID	Chr	Genomic location	CDs	Proteins			Subcellular location
					Size	Molecular weight	pI	
<i>PtOSCA1</i>	POPTR_001G133800v3	1	10755520:10762863	2418	805	92.59	9.82	Plasma-membrane
<i>PtOSCA2</i>	POPTR_001G358300v3	1	36770547:36775147	1818	605	67.89	9.83	Plasma-membrane
<i>PtOSCA3</i>	POPTR_002G113800v3	2	8517988:8525919	2211	736	83.04	8.83	Plasma-membrane
<i>PtOSCA4</i>	POPTR_002G226800v3	2	21609893:21615367	2292	763	87.17	9.03	Plasma-membrane
<i>PtOSCA5</i>	POPTR_003G099800v3	3	12577160:12583882	2427	808	93.15	9.81	Plasma-membrane
<i>PtOSCA6</i>	POPTR_003G200900v3	3	20318923:20324092	2181	726	82.34	8.03	Plasma-membrane
<i>PtOSCA7</i>	POPTR_004G005900v3	4	371221:377923	2325	774	88.11	9.66	Plasma-membrane
<i>PtOSCA8</i>	POPTR_004G006000v3	4	380346:386486	2091	696	79.36	9.01	Plasma-membrane
<i>PtOSCA9</i>	POPTR_004G006100v3	4	393580:398299	2328	775	88.50	8.86	Plasma-membrane
<i>PtOSCA10</i>	POPTR_004G115800v3	4	10681402:10691519	2151	716	81.65	8.32	Plasma-membrane
<i>PtOSCA11</i>	POPTR_005G108600v3	5	8332404:8335565	2505	834	94.89	6.7	Plasma-membrane
<i>PtOSCA12</i>	POPTR_007G063700v3	7	8026602:8029479	2439	812	92.51	6.61	Plasma-membrane
<i>PtOSCA13</i>	POPTR_008G091200v3	8	5713772:5722591	1482	493	56.32	8.87	Plasma-membrane
<i>PtOSCA14</i>	POPTR_010G164100v3	10	16833961:16843326	2139	712	80.46	8.66	Plasma-membrane
<i>PtOSCA15</i>	POPTR_011G009900v3	11	753089:761429	2319	772	87.72	9.34	Plasma-membrane
<i>PtOSCA16</i>	POPTR_014G156100v3	14	12167104:12176916	2307	768	87.75	9.34	Plasma-membrane