

Tab. S1. Results of quantitative determination of the flavonoid content (Unit: % DW) of embryo-derived callus from *Ginkgo biloba* under different subculture cycles (Days). Values were the mean of three callus samples

Medium code	15				30				45			
	Quercetion	Kaempferol	Isorhamnetin	Total Flavonoids ^a	Quercetion	Kaempferol	Isorhamnetin	Total Flavonoids ^a	Quercetion	Kaempferol	Isorhamnetin	Total Flavonoids ^a
A1	0.0921	0.1702	0.0637	0.8183	0.1247	0.1993	0.0741	0.9993	0.1535	0.1682	0.0808	1.0102
A2	0.0919	0.1125	0.0723	0.6945	0.1108	0.1560	0.1011	0.9235	0.1128	0.1856	0.0593	0.8979
A3	0.0892	0.2144	0.0422	0.8678	0.1526	0.2295	0.0454	1.0730	0.1259	0.2654	0.0572	1.1257
B1	0.0794	0.1061	0.0789	0.6637	0.0659	0.1648	0.0665	0.7460	0.1584	0.1945	0.0827	1.0932
B2	0.1217	0.1732	0.0974	0.9848	0.1483	0.2149	0.1037	1.1718	0.1743	0.2278	0.0974	1.2538
B3	0.0849	0.2318	0.0732	0.9787	0.1591	0.1884	0.1045	1.1344	0.1508	0.2093	0.0984	1.1509
C1	0.0613	0.0945	0.0135	0.4249	0.0874	0.1436	0.0475	0.6990	0.0423	0.1306	0.0186	0.4807
C2	0.0325	0.1328	0.0453	0.5286	0.1004	0.1268	0.0798	0.7706	0.0884	0.1420	0.0575	0.7226
C3	0.0966	0.1042	0.0710	0.6822	0.1399	0.2241	0.0618	1.0688	0.1270	0.1975	0.0726	0.9967

^a The content of total flavonoids was calculated by multiplication of the total contents of quercetin, kaempferol, and isorhamnetin with a factor 2.51

Tab. S2. Results of quantitative determination of terpene lactone content (Unit: % DW) of embryo-derived callus from *Ginkgo biloba* under different subculture cycles (Days). Values were the mean of three callus samples

Compounds Medium code	Subculture cycle															
	15					30					45					
	GA	GB	GC	BB	Total terpene lactones ^a	GA	GB	GC	BB	Total terpene lactones ^a	GA	GB	GC	BB	Total terpene lactones ^a	
A1	0.0042	0.0061	0.0068	0.0089	0.0260	0.0094	0.0082	0.0134	0.0168	0.0478	0.0105	0.0080	0.0145	0.0187	0.0517	
A2	0.0053	0.0066	0.0074	0.0105	0.0298	0.0056	0.0098	0.0122	0.0148	0.0424	0.0084	0.0082	0.0095	0.0173	0.0434	
A3	0.0074	0.0076	0.0099	0.0117	0.0366	0.0113	0.0104	0.0175	0.0219	0.0611	0.0101	0.0151	0.0169	0.0236	0.0657	
B1	0.0033	0.0046	0.0054	0.0057	0.0190	0.0040	0.0041	0.0049	0.0072	0.0202	0.0063	0.0078	0.0096	0.0117	0.0354	
B2	0.0100	0.0082	0.0124	0.0150	0.0456	0.0151	0.0176	0.0159	0.0285	0.0771	0.0077	0.0117	0.0122	0.0194	0.0510	
B3	0.0080	0.0075	0.0087	0.0136	0.0378	0.0094	0.0215	0.0192	0.0236	0.0737	0.0165	0.0113	0.0163	0.0242	0.0683	
C1	0.0031	0.0022	0.0041	0.0045	0.0139	0.0047	0.0050	0.0056	0.0071	0.0224	0.0030	0.0045	0.0051	0.0056	0.0182	
C2	0.0044	0.0038	0.0059	0.0073	0.0214	0.0036	0.0052	0.0063	0.0075	0.0226	0.0040	0.0065	0.0074	0.0078	0.0257	
C3	0.0037	0.0046	0.0052	0.0083	0.0218	0.0053	0.0068	0.0079	0.0072	0.0272	0.0055	0.0056	0.0088	0.0105	0.0304	

GA: Ginkgolide A; GB: Ginkgolide B; GC: Ginkgolide C; BB: bilobalide

^a The content of total terpene lactones was calculated by the sum of the contents GA, GB, GC and BB.