

Table S1: Compound annotation of main the saponins from EJSB from the positive-ESI.

Cluster ID	Retention time (RT)	Precursor mass	Error (ppm)	Tentative Annotation	Key fragments
MN500	9.37	473.3602	4.94	Jujubogenin/pseudojujubogenin	417.2974; 373.2715; 455.3494; 109.1009 419.3283;
MN543	9.52	437.3392	5.05	Deoxyjujubogenin	295.2396; 177.1264; 107.0852 437.3387;
MN515	10.10	455.3497	4.99	Deoxypseudojujubogenin	369.2767; 247.1678; 123.1163 437.3390;
487	9.53	455.3496	5.2	Deoxypseudojujubogenin	419.3294; 313.2507; 125.0955 469.3650;
496	11.76	487.3756	5.31	Methylpseudojujubogenin	451.3541; 121.1007; 135.1162 469.3650;
479	11.41	487.3757	5.31	Methylpseudojujubogenin	451.3546; 135.1162; 121.1007 473.3598;
497	9.37	491.3704	5.49	Jujubogenin/pseudojujubogenin derivative (Hydroxy)	417.2974; 373.2715; 455.3493 605.4016;
489	9.84	623.4121		not identified	549.3387; 505.3131; 587.3908 455.3495;
532	10.56	899.4964	3.87	Deoxypseudojujubogenin glycoside (hexose + pentose + pentose)	265.0906; 437.3399; 391.2827 455.3495;
545	10.92	847.4104		Deoxypseudojujubogenin glycoside derivative (hexose + pentose + 98)	437.3384; 749.4447; 587.3913 455.3495;
584	11.11	737.4430	5.49	Deoxypseudojujubogenin glycoside derivative (pentose + pentose + 18)	437.3385; 719.4324; 211.0590 587.3914;
523	11.60	605.4005		not identified	588.3942; 369.2766;

					437.3396
					473.3598;
512	9.06	491.3704	5.49	Jujubogenin/pseudojujubogenin derivative (Hydroxy)	417.2974;
					373.2715;
					455.3493
					417.2974;
524	9.26	473.3602	4.94	Jujubogenin/pseudojujubogenin	373.2715;
					455.3494;
					109.1009
