

S1 Table. Predicted mRNA sequences of *Fragaria vesca* using JA signalling-related protein sequences of *Arabidopsis thaliana* as queries and Refseq-rna database of *F. vesca* as subject.

<i>A. thaliana</i>		tblastn				<i>Fragaria vesca</i>		
Protein	Accession	Score	Query cover (%)	E-value	Identity (%)	Predicted mRNA	Accession	Name ^a
AtJAZ1	NP_564075	127	99	2e-33	36	TIFY 10A (LOC101302102)	XM_004287607	<i>JAZ1/TIFY10a</i>
		107	60	2e-16	37	TIFY 11A-like (LOC101305492)	XM_004303663	<i>JAZ5/TFY11a</i>
AtJAZ2	NP_565096	122	93	2e-31	34	TIFY 10A (LOC101302102)	XM_004287607	<i>JAZ1/TIFY10a</i>
		191	95	1e-54	42	TIFY 6B (LOC101303423)	XM_004299468	<i>JAZ9/TIFY6b</i>
		156	94	3e-42	38	TIFY 6B (LOC101298700), transcript variant X3	XM_011464880	<i>JAZ4-3/TIFY6b</i>
		146	94	2e-38	35	TIFY 6B (LOC101298700), transcript variant X2	XM_011464878	<i>JAZ4-2/TIFY6b</i>
AtJAZ3	NP_566590	145	94	3e-38	35	TIFY 6B (LOC101298700), transcript variant X1	XM_004297401	<i>JAZ34-1/TIFY6b</i>
		138	99	1e-36	35	TIFY 6B (LOC101303423)	XM_004299468	<i>JAZ9/TIFY6b</i>
		127	99	1e-32	35	TIFY 6B (LOC101298700), transcript variant X3	XM_011464880	<i>JAZ4-3/TIFY6b</i>
		127	99	3e-30	34	TIFY 6B (LOC101298700), transcript variant X2	XM_011464878	<i>JAZ4-2/TIFY6b</i>
AtJAZ4	NP_001117450	120	99	4e-30	34	TIFY 6B (LOC101298700), transcript variant X1	XM_004297401	<i>JAZ4-1/TIFY6b</i>
		75.5	75	4e-15	28	TIFY 10A-like (LOC101302102)	XM_004287607	<i>JAZ1/TIFY10a</i>
AtJAZ5	NP_564019	68.6	77	7e-13	31	TIFY 11A-like (LOC101305492)	XM_004303663	<i>JAZ5/TFY11a</i>
		74.7	78	8e-15	26	TIFY 10A-like (LOC101302102)	XM_004287607	<i>JAZ1/TIFY10a</i>
AtJAZ6	NP_565043	100	68	9e-12	33	TIFY 11A-like (LOC101305492)	XM_004303663	<i>JAZ5/TFY11a</i>
		68.9	85	3e-14	41	TIFY 5A-like (LOC101295112)	XM_004293578	<i>JAZ8.1/TIFY5a</i>
AtJAZ7	NP_181007	42.4	56	6e-05	35	TIFY 5B (LOC105352369)	XM_011469361	<i>JAZ7/TIFY5b</i>
		79.3	96	4e-18	43	TIFY 5A-like (LOC101295112)	XM_004293578	<i>JAZ8.1/TIFY5a</i>
AtJAZ8	NP_564349	94.4	98	3e-21	29	TIFY 6B (LOC101298700), transcript variant X3	XM_011464880	<i>JAZ4-3/TIFY6b</i>
		86.6	91	2e-19	31	TIFY 6B (LOC101303423)	XM_004299468	<i>JAZ9/TIFY6b</i>
		82.8	98	2e-17	28	TIFY 6B (LOC101298700), transcript variant X2	XM_011464878	<i>JAZ4-2/TIFY6b</i>
		82.4	98	3e-17	28	TIFY 6B (LOC101298700), transcript variant X1	XM_004297401	<i>JAZ4-1/TIFY6b</i>
AtJAZ9	NP_177227	82.8	98	2e-17	28	TIFY 6B (LOC101298700), transcript variant X2	XM_011464878	<i>JAZ4-2/TIFY6b</i>
		82.4	98	3e-17	28	TIFY 6B (LOC101298700), transcript variant X1	XM_004297401	<i>JAZ4-1/TIFY6b</i>

AtJAZ10	NP_001154713	58.2	78	6e-10	32	TIFY 9-like (LOC101299545)	XM_004310081	<i>JAZ10/TIFY9</i>
		137	78	1e-15	38	TIFY 3A-like (LOC105349490)	XM_011459279	<i>JAZ11/TIFY3a</i>
AtJAZ11	NP_189930	122	75	4e-13	40	TIFY 3B (LOC101312185)	XM_004287641	<i>JAZ12/TIFY3b</i>
		53.5	41	7e-08	35	TIFY 9-like (LOC101299545)	XM_004310081	<i>JAZ10/TIFY9</i>
		47	77	8e-06	25	TIFY 6B (LOC101303423)	XM_011464880	<i>JAZ9/TIFY6b</i>
AtJAZ12	NP_197590	102	61	1e-25	48	TIFY 3B-like (LOC101312185)	XM_004287641	<i>JAZ12/TIFY3b</i>
		78.2	57	2e-17	41	TIFY 3A-like (LOC105349490)	XM_011459279	<i>JAZ11/TIFY3a</i>
		68.6	65	2e-13	30	TIFY 10A-like (LOC101302102)	XM_004287607	<i>JAZ1/TIFY10a</i>
		56.2	58	3e-09	36	TIFY 9-like (LOC101299545)	XM_004310081	<i>JAZ10/TIFY9</i>
AtJAZ13	NP_001078200	50.1	81	6e-08	32	TIFY 5B (LOC105352369)	XM_011469361	<i>JAZ7/TIFY5b</i>
AtNINJA	NP_849467	327	89	5e-95	45	Ninja-family protein mc410-like (LOC101314595)	XM_004287404	<i>NINJA</i>
		2004	100	0.0	81	TOPLESS-like (LOC101309271)	XM_004303220	<i>TPL1</i>
AtTOPLESS	NP_849672	1653	97	0.0	68	Topless-related protein 4-like (LOC101312083)	XM_004287239	<i>TPL2</i>
		1491	98	0.0	63	TOPLESS-like (LOC101312083)	XM_004307834	<i>TPL3</i>
		1391	99	0.0	60	Topless-related protein 2-like (LOC101296764)	XM_004296832	<i>TPL4</i>
AtHDA6	ACA97993	765	93	0.0	81	histone deacetylase 6-like (LOC101309835)	XM_004299084	<i>HDA6.1</i>
		651	87	0.0	71	histone deacetylase 6-like (LOC101314516)	XM_004289555	<i>HDA6.2</i>
AtHDA19	NP_195526	838	97	0.0	83	histone deacetylase 19-like (LOC101311924)	XM_004290052	<i>HDA19.1</i>
		531	79	3e-169	59	histone deacetylase 19-like (LOC101296668)	XM_004299996	<i>HDA19.2</i>
AtMYC2	NP_174541	584	100	0.0	49	transcription factor MYC2-like (LOC101308180)	XM_004300191	<i>MYC2</i>
		347	59	1e-54	53	transcription factor MYC2-like (LOC101299702)	XM_004306579	<i>MYC2-like</i>
AtMYC3	NP_19448	530	80	6e-83	59	transcription factor MYC2-like (LOC101308180)	XM_004300191	<i>MYC2</i>
		297	61	3e-45	47	transcription factor MYC2-like (LOC101299702)	XM_004306579	<i>MYC2-like</i>
AtMYC4	NP_193522	550	87	3e-90	62	transcription factor MYC2-like (LOC101308180)	XM_004300191	<i>MYC2</i>
		293	59	1e-44	47	transcription factor MYC2-like (LOC101299702)	XM_004306579	<i>MYC2-like</i>

AtMYC5	NP_199495	352	72	7e-51	56	transcription factor MYC2-like (LOC101308180)	XM_004300191	<i>MYC2</i>
		239	93	6e-70	34	transcription factor MYC2-like (LOC101299702)	XM_004306579	<i>MYC2-like</i>
AtJAM1	NP_566078	489	94	2e-163	48	transcription factor bHLH3-like (LOC101309083)	XM_004306609	<i>JAM1</i>
		330	96	1e-101	38	transcription factor bHLH3-like (LOC101302795)	XM_011459681	<i>JAM2</i>
AtJAM2	NP_171634	510	99	5e-171	47	transcription factor bHLH3-like (LOC101309083)	XM_004306609	<i>JAM1</i>
		327	71	5e-44	38	transcription factor bHLH3-like (LOC101302795)	XM_011459681	<i>JAM2</i>
AtJAM3	NP_193376	505	100	3e-170	53	transcription factor bHLH3-like (LOC101302795)	XM_011459681	<i>JAM2</i>
		340	93	3e-53	52	transcription factor bHLH3-like (LOC101309083)	XM_004306609	<i>JAM1</i>
AtPPD1	NP_567442	184	996	2e-53	40	TIFY 4B-like (LOC101296196), transcript variant X1	XM_004296526	<i>PPD1-1/TIFY4B</i>
		177	74	3e-51	43	TIFY 4B-like (LOC101296196), transcript variant X2	XM_011464153	<i>PPD1-2/TIFY4B</i>
AtPPD2	NP_193208	204	94	3e-61	42	TIFY 4B-like (LOC101296196), transcript variant X1	XM_004296526	<i>PPD1-1/TIFY4B</i>
		191	76	1e-56	44	TIFY 4B-like (LOC101296196), transcript variant X2	XM_011464153	<i>PPD1-2/TIFY4B</i>

COI1, coronatine insensitive 1; HDA, histone deacetylase; JAM, jasmonate-associated MYC2-like; JAZ, jasmonate-ZIM-domain; NINJA, novel interactor of JAZ; TPL, TOPLESS; PPD, PEAPOD.

^aThis refers to the gene names assigned in the present research.