













































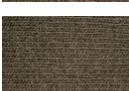
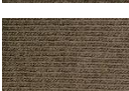
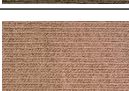



















Supplemental Table S1. The color characteristic values of the dyed samples.

Plant	Main ingredients	Mordant	Color	L	a	b	c	h	K/S
<i>Camellia oleifera</i>	Condensed Tannin	none		53.27	10.54	24.03	26.24	66.33	10.849
		FeSO4		35.13	3.69	8.48	9.25	66.46	14.596
		KAl(SO4)2·12H2O		53.79	9.8	23.85	25.78	67.66	14.045
	Hydrolyzable Tannin	none		53.72	10.43	24.2	26.35	66.68	14.823
		FeSO4		32.09	3.65	7.19	8.06	63.09	18.121
		KAl(SO4)2·12H2O		53.85	8.9	22.25	23.97	68.21	14.73
<i>Quercus acutissima</i>	Condensed Tannin	none		50.8	5.52	22.21	22.89	76.05	14.14
		FeSO4		28.97	2.08	7.86	8.13	75.15	21.302
		KAl(SO4)2·12H2O		48.7	6.86	28.73	29.54	76.57	25.407
	Hydrolyzable Tannin	none		48.95	5.99	23.09	23.85	75.45	15.022
		FeSO4		27.64	2.09	8.22	8.48	75.72	25.184
		KAl(SO4)2·12H2O		46.83	6.85	27.54	28.38	76.03	24.195
<i>Punica granatum</i>	Condensed Tannin	none		56.44	5.23	22.98	23.57	77.17	13.005
		FeSO4		27.19	1.18	7.22	7.32	80.73	23.544
		KAl(SO4)2·12H2O		58.16	3.34	35.78	35.94	84.67	20.071
	Hydrolyzable Tannin	none		57.88	5.45	22.5	23.15	76.39	13.666

		FeSO4		26.16	0.58	6.43	6.45	84.84	27.34
		KAl(SO4)2·12H2O		56.45	3.66	32.72	32.93	83.62	21.565
<i>Diospyros kaki</i>	Condensed Tannin	none		75	3.36	18.12	18.43	79.48	1.6738
		FeSO4		68.67	4.54	16.03	16.66	74.17	2.7305
		KAl(SO4)2·12H2O		78.08	3.48	16	16.37	77.74	1.1172
	Hydrolyzable Tannin	none		76.29	4.23	17.01	17.52	76.05	1.4186
		FeSO4		73.91	4.83	16.62	17.31	73.79	2.1806
		KAl(SO4)2·12H2O		76.04	2.49	12.39	12.64	78.63	1.0874
<i>Galla Chinensis</i>	Condensed Tannin	none		58.91	5.62	16.08	17.03	70.74	8.2839
		FeSO4		32.37	4.03	3.05	5.05	37.18	13.328
		KAl(SO4)2·12H2O		62.52	3.65	18	18.37	78.55	15.486
	Hydrolyzable Tannin	none		63.42	5.18	14.59	15.48	70.44	6.7983
		FeSO4		29.8	6.1	2.84	6.73	24.93	19.924
		KAl(SO4)2·12H2O		64.37	3.56	17.56	17.92	78.54	19.073
<i>Dioscorea cirrhosa</i>	Condensed Tannin	none		42.62	17.02	20.27	26.47	49.99	10.717
		FeSO4		33.6	8.15	10.64	13.4	52.54	13.693
		KAl(SO4)2·12H2O		42.95	16.55	19.04	25.23	49.01	10.68

		none		47.45	14.52	20.5	25.12	54.69	8.3984
	Hydrolyzable Tannin	FeSO4		37.72	8.19	13.17	15.51	58.13	12.358
		KAl(SO4)2·12H2O		46.84	15.43	20.75	25.86	53.37	9.3221
		none		52.46	5.62	16.8	17.71	71.52	6.4603
	Condensed Tannin	FeSO4		48.56	4.68	13.45	14.24	70.82	7.4734
		KAl(SO4)2·12H2O		52.83	5.57	16.85	17.75	71.71	6.1538
<i>Camphora officinarum</i>		none		56.83	5.24	16.4	17.21	72.27	4.3837
	Hydrolyzable Tannin	FeSO4		55.63	4.82	14.94	15.7	72.12	5.3382
		KAl(SO4)2·12H2O		65.88	4.21	14.93	15.51	74.26	2.2581
		none		42.1	7.38	17.24	18.76	66.83	9.768
	Condensed Tannin	FeSO4		40.74	6.02	14.22	15.44	67.06	10.253
		KAl(SO4)2·12H2O		41.9	6.87	16	17.41	66.78	9.941
<i>Juglans regia</i>		none		39.34	7.19	15.87	17.42	65.62	10.986
	Hydrolyzable Tannin	FeSO4		39.6	5.94	14.01	15.22	67.04	11.476
		KAl(SO4)2·12H2O		39.36	6.09	15.57	17.03	33.1	11.759
		none		48.23	16.52	18.28	24.64	47.89	7.3458
<i>Fallopia multiflora</i>	Condensed Tannin	FeSO4		37.43	7.78	9.52	12.3	50.74	10.536

		KAl(SO ₄) ₂ ·12H ₂ O		46.94	16.76	16.79	23.73	45.06	8.661
		none		49.12	14.83	17.86	23.21	50.3	7.5218
	Hydrolyzable Tannin	FeSO ₄		39.58	7.26	10.51	12.78	55.36	10.249
		KAl(SO ₄) ₂ ·12H ₂ O		49.64	14.31	17.01	22.23	49.92	7.3151
		none		31.28	5.08	18.23	18.93	74.43	5.1417
	Condensed Tannin	FeSO ₄		55.66	3.95	14.17	14.71	74.43	6.114
		KAl(SO ₄) ₂ ·12H ₂ O		64.8	4.83	21.09	21.63	77.09	5.0237
<i>Vernicia fordii</i>		none		57.47	6.71	23.57	24.5	74.1	7.5573
	Hydrolyzable Tannin	FeSO ₄		47.88	4.78	17.05	17.71	74.36	10.243
		KAl(SO ₄) ₂ ·12H ₂ O		55.68	6.93	23.94	24.93	73.85	9.0091
		none		54.02	6.2	23.4	24.21	75.17	11.718
	Condensed Tannin	FeSO ₄		31.05	2.91	8.8	9.27	71.7	19.986
		KAl(SO ₄) ₂ ·12H ₂ O		51.15	6.16	25.84	25.56	76.59	18.889
<i>Castanea mollissima</i>		none		50.2	6.44	22.58	23.48	74.09	12.569
	Hydrolyzable Tannin	FeSO ₄		30.86	1.96	9.23	9.43	78.04	20.62
		KAl(SO ₄) ₂ ·12H ₂ O		47.58	6.49	25.06	25.88	75.49	19.532