

Table S1. Magnetic parameters and elemental determination of *Tillandsia recurvata* from Aburra Valley (Colombia).
R: residential; V: vehicular; I: industrial; and Control: BASE.

Samples	Longitude	Latitude	Land	χ	ARM	SIRM	H_c	S-100	S-ratio	SIRM/ χ	χ_{ARM}/χ	ARM/SIRM
TM	[°]	[°]	use	[10 ⁸ m ³ kg ⁻¹]	[10 ⁻⁶ A m ² kg ⁻¹]	[10 ⁻³ A m ² kg ⁻¹]	[mT]	[a.u.]	[a.u.]	[kA/m]	[a.u.]	[a.u.]
1	-75.344179	6.115214	V	54.4	53.1	3.5	38.1	0.67	0.97	6.5	1.2	0.015
2	-75.580167	6.192096	V	372.9	353.0	25.0	39.8	0.65	0.98	6.7	1.2	0.014
3	-75.626974	6.157374	R	26.0	40.1	3.1	36.4	0.73	0.98	12.1	2.1	0.013
4	-75.628458	6.160305	R	81.3	105.0	7.4	35.6	0.70	0.96	9.1	1.7	0.014
5	-75.624541	6.163682	V	31.7	54.9	3.4	37.6	0.68	0.98	10.8	2.5	0.016
6	-75.618724	6.167735	I	114.4	155.6	10.7	33.2	0.69	0.96	9.4	1.9	0.014
7	-75.616021	6.164217	I	156.5	193.7	16.0	34.6	0.69	0.96	10.2	1.6	0.012
8	-75.612616	6.159401	I	127.3	187.9	16.8	38.5	0.69	0.98	13.2	2.0	0.011
9	-75.603132	6.177296	I	59.7	62.6	4.7	36.3	0.67	0.94	7.9	1.4	0.013
10	-75.590390	6.190466	V	46.9	57.3	4.2	36.4	0.69	0.96	8.9	1.6	0.014
11	-75.587077	6.188031	I	110.3	116.9	10.6	36.8	0.69	0.96	9.6	1.0	0.011
12	-75.589725	6.183402	I	142.4	205.3	14.4	38.7	0.65	0.94	10.1	1.9	0.014
13	-75.598293	6.174177	I	175.5	220.6	17.0	38.3	0.66	0.97	9.7	2.1	0.013
14	-75.603792	6.170071	I	168.2	191.7	14.0	42.7	0.63	0.97	8.3	1.5	0.014
15	-75.620989	6.157970	I	124.9	192.1	16.9	33.9	0.73	0.96	13.5	1.9	0.011
16	-75.618090	6.152357	R	32.7	42.0	3.3	34.5	0.76	1.02	10.2	1.4	0.013
17	-75.608167	6.158845	V	102.0	117.7	9.7	35.3	0.70	0.95	9.5	0.9	0.012
18	-75.601036	6.164441	I	33.6	45.2	3.4	34.1	0.68	0.95	10.0	0.6	0.013
19	-75.616043	6.146523	R	27.1	34.9	2.5	34.5	0.70	0.96	9.0	1.4	0.014
20	-75.602895	6.160995	I	45.0	50.8	4.6	34.9	0.69	0.93	10.2	1.3	0.011
21	-75.599872	6.162803	I	19.7	25.2	2.0	36.9	0.69	0.97	10.2	1.4	0.013
22	-75.592077	6.166261	R	11.2	26.0	1.7	36.8	0.71	0.99	14.7	2.9	0.016
23	-75.593770	6.163096	V	57.9	56.3	4.1	36.8	0.70	0.97	7.0	1.5	0.014
24	-75.589398	6.158926	R	32.1	40.6	2.6	34.0	0.70	0.97	8.1	1.5	0.016
25	-75.583760	6.160881	R	21.1	31.0	1.9	33.7	0.72	0.97	8.9	1.7	0.016
26	-75.578435	6.155394	R	20.5	39.4	2.5	34.7	0.70	0.95	11.9	2.5	0.016
27	-75.574132	6.164442	V	26.2	24.9	1.8	39.1	0.68	0.98	7.0	0.4	0.014
28	-75.561763	6.179466	R	14.9	23.1	1.5	35.4	0.69	0.94	10.0	1.4	0.016
29	-75.567568	6.185588	R	42.4	39.1	2.5	36.9	0.69	0.96	6.0	0.9	0.015
30	-75.576218	6.193048	V	254.8	195.6	14.9	40.3	0.65	0.98	5.8	1.2	0.013
31	-75.580929	6.173783	R	7.1	10.4	0.7	35.6	0.71	0.98	9.5	2.1	0.016
32	-75.582241	6.169625	R	35.3	33.9	2.3	37.6	0.80	1.12	6.6	1.1	0.015
33	-75.596234	6.185303	V	89.0	102.1	8.0	34.7	0.70	0.95	9.0	1.4	0.013
34	-75.591286	6.194031	V	140.2	149.2	11.8	32.4	0.70	0.98	8.4	1.4	0.013
35	-75.594537	6.210760	V	46.5	51.9	3.5	34.8	0.69	0.97	7.5	1.4	0.015
36	-75.600620	6.210592	R	61.1	75.1	5.3	34.1	0.70	0.96	8.7	1.5	0.014
37	-75.598208	6.215053	R	64.1	65.4	4.6	35.3	0.69	0.95	7.2	1.2	0.014
38	-75.598692	6.218187	V	182.2	156.4	11.0	33.4	0.65	0.98	6.0	1.1	0.014
39	-75.601512	6.227194	R	24.5	29.4	2.0	34.8	0.70	0.96	8.2	1.5	0.015
40	-75.608520	6.220334	R	25.4	32.9	2.3	30.0	0.72	0.94	8.9	1.6	0.015
41	-75.605434	6.231954	V	122.7	108.5	6.7	39.3	0.65	0.95	5.5	1.1	0.016
42	-75.596390	6.235137	R	54.0	45.2	3.2	38.6	0.66	0.96	6.0	0.9	0.014
43	-75.583480	6.236436	R	21.5	60.4	2.6	26.2	0.82	0.98	12.1	1.8	0.023
44	-75.580018	6.229300	I	89.4	92.6	8.8	34.5	0.71	0.96	9.8	1.3	0.011
45	-75.580199	6.220946	I	90.5	92.1	6.4	37.7	0.67	0.96	7.1	1.3	0.014
46	-75.585837	6.219051	I	69.4	72.1	5.1	37.6	0.68	0.96	7.3	1.2	0.014

47	-75.588693	6.208717	R	19.6	28.7	1.9	38.1	0.69	0.99	9.9	1.6	0.015
48	-75.580395	6.203064	I	51.7	60.3	4.3	36.8	0.69	0.91	8.3	1.3	0.014
49	-75.565011	6.190304	R	190.5	208.9	14.1	40.5	0.66	0.97	7.4	1.4	0.015
50	-75.566049	6.201475	R	76.5	60.5	4.2	38.8	0.66	0.97	5.5	1.0	0.014
51	-75.571413	6.205638	V	350.5	252.3	17.8	42.1	0.64	0.99	5.1	0.9	0.014
52	-75.569291	6.210220	V	309.1	321.7	20.2	40.3	0.65	0.97	6.5	1.3	0.016
53	-75.554732	6.209929	V	61.9	92.1	5.8	27.9	0.71	0.91	9.4	1.8	0.016
54	-75.560802	6.219895	V	9.8	15.9	1.0	40.4	0.70	0.97	9.8	2.4	0.017
55	-75.564251	6.229150	R	60.2	68.1	4.5	39.3	0.66	0.97	7.4	1.4	0.015
56	-75.563290	6.241627	V	87.8	105.4	6.4	39.7	0.67	0.98	7.3	1.5	0.017
57	-75.554998	6.235924	R	8.8	14.0	1.0	34.2	0.73	0.96	10.8	1.7	0.015
58	-75.551860	6.231679	R	37.1	46.3	2.7	38.3	0.65	0.95	7.3	1.5	0.017
59	-75.548472	6.227757	R	5.6	13.1	0.8	36.2	0.73	0.98	15.0	3.9	0.016
60	-75.543181	6.233413	R	1.2	8.9	0.6	35.5	0.72	0.98	52.2	10.8	0.015
61	-75.549287	6.239044	V	157.7	171.7	11.1	38.2	0.68	0.99	7.1	1.4	0.015
62	-75.568834	6.231045	V	118.8	106.8	7.6	39.8	0.66	0.98	6.4	1.2	0.014
63	-75.569474	6.221080	V	219.8	173.2	12.8	40.9	0.64	0.98	5.8	1.1	0.014
64	-75.575545	6.235498	I	197.5	166.3	13.2	36.1	0.71	1.00	6.7	1.0	0.013
65	-75.579999	6.241901	R	25.4	38.1	2.7	35.8	0.70	0.97	10.6	1.8	0.014
66	-75.584727	6.244316	V	119.9	122.3	7.5	39.2	0.66	0.97	6.3	1.3	0.016
67	-75.600077	6.242667	V	68.1	66.0	4.6	37.5	0.66	0.95	6.7	1.2	0.014
68	-75.609726	6.243807	R	61.3	53.9	3.6	37.4	0.69	1.00	5.9	1.0	0.015
69	-75.616173	6.248178	R	14.6	20.7	1.5	34.9	0.72	0.98	10.0	1.6	0.014
70	-75.622904	6.253224	R	6.7	11.7	0.8	33.8	0.69	0.94	12.5	1.8	0.014
71	-75.616315	6.254972	R	6.5	11.6	0.8	35.9	0.72	0.96	11.9	1.4	0.015
72	-75.617214	6.258883	R	5.6	14.0	1.1	32.8	0.71	0.93	19.3	3.0	0.013
73	-75.613615	6.261951	R	13.1	19.1	1.5	34.9	0.71	0.95	11.1	1.6	0.013
74	-75.615044	6.266721	R	8.5	13.1	0.9	35.8	0.70	0.96	11.0	2.6	0.014
75	-75.607626	6.258816	R	7.9	14.6	1.0	35.5	0.71	0.95	12.5	2.1	0.015
76	-75.603338	6.258111	R	12.0	15.0	1.3	35.9	0.69	0.97	10.8	1.3	0.012
77	-75.602742	6.266293	R	46.7	57.7	3.5	40.3	0.64	0.96	7.5	1.5	0.017
78	-75.596598	6.263439	V	16.7	21.0	1.4	32.5	0.73	0.97	8.6	1.3	0.015
79	-75.607335	6.252153	V	84.5	80.8	5.4	40.6	0.67	1.01	6.4	1.2	0.015
80	-75.595914	6.250039	V	211.4	218.5	14.7	38.4	0.67	0.97	7.0	1.4	0.015
81	-75.588735	6.248967	V	133.6	133.0	9.3	35.6	0.67	0.94	7.0	1.3	0.014
82	-75.579734	6.246352	V	110.0	103.0	7.0	35.7	0.72	1.00	6.4	1.2	0.015
83	-75.570409	6.244423	V	38.6	40.2	2.7	39.9	0.67	0.98	7.0	1.1	0.015
84	-75.556735	6.242193	R	28.5	37.4	2.6	34.3	0.70	0.98	9.2	1.4	0.014
85	-75.556849	6.250916	R	21.9	33.8	2.2	32.3	0.75	0.98	10.1	1.4	0.015
86	-75.552274	6.259001	R	14.3	28.6	1.7	33.3	0.74	0.98	12.1	2.0	0.017
87	-75.558103	6.248946	R	17.9	23.2	1.6	34.1	0.72	0.98	8.7	1.4	0.015
88	-75.563613	6.251199	V	176.8	176.6	13.2	34.6	0.68	1.00	7.5	1.2	0.013
89	-75.568737	6.252070	V	14.4	22.5	1.5	35.8	0.71	0.83	10.4	2.3	0.015
90	-75.568429	6.262073	V	92.7	95.2	7.9	34.0	0.72	0.98	8.5	1.3	0.012
91	-75.558257	6.264263	R	46.8	87.8	4.8	32.1	0.73	0.92	10.3	2.5	0.018
92	-75.549192	6.268828	V	34.7	60.0	3.6	32.5	0.75	1.00	10.3	2.2	0.017
93	-75.549447	6.256966	R	27.6	20.7	1.6	26.6	0.80	0.96	5.8	0.9	0.013
94	-75.558759	6.273669	R	20.7	29.2	1.9	33.9	0.75	0.99	9.4	1.8	0.015
95	-75.565287	6.271072	V	49.9	68.2	4.4	34.5	0.75	0.98	8.8	1.8	0.016
96	-75.595046	6.244764	V	50.1	49.5	3.5	35.5	0.69	0.98	6.9	1.3	0.014
97	-75.597222	6.254751	R	11.0	14.6	1.0	34.8	0.72	0.97	9.1	1.6	0.015

98	-75.591561	6.265366	R	23.4	30.1	2.2	35.0	0.70	0.97	9.3	1.8	0.014
99	-75.596001	6.275501	V	44.7	54.2	3.6	35.9	0.71	0.99	7.9	1.6	0.015
100	-75.601140	6.278669	V	27.0	45.8	2.8	36.0	0.70	0.92	10.4	2.2	0.016
101	-75.596028	6.283469	R	25.2	31.5	2.3	35.7	0.69	0.99	9.1	1.6	0.014
102	-75.587958	6.273113	V	21.1	27.9	2.0	36.1	0.70	1.00	9.6	1.7	0.014
103	-75.576533	6.269066	I	267.9	282.1	21.7	39.8	0.64	0.96	8.1	1.4	0.013
104	-75.581894	6.259469	V	165.6	198.6	14.3	35.9	0.69	0.97	8.7	1.5	0.014
105	-75.579556	6.266293	R	14.3	22.3	1.5	35.1	0.73	0.97	10.7	1.9	0.015
106	-75.590242	6.254080	R	12.1	21.3	1.5	35.8	0.71	0.96	12.3	2.1	0.014
107	-75.578893	6.254752	V	58.0	69.3	4.5	38.0	0.69	0.98	7.7	1.4	0.015
108	-75.587168	6.232000	V	26.8	29.5	2.0	36.3	0.72	0.99	7.3	1.5	0.015
109	-75.578158	6.274315	I	81.9	115.8	9.4	34.9	0.70	0.99	11.5	1.7	0.012
110	-75.582556	6.278281	V	94.3	103.0	6.9	38.8	0.68	0.98	7.3	1.4	0.015
111	-75.590095	6.276280	V	87.6	86.9	5.9	39.1	0.66	0.99	6.7	1.5	0.015
112	-75.583509	6.283752	R	27.7	42.8	2.5	36.7	0.70	0.98	8.9	2.3	0.017
113	-75.591596	6.289217	R	38.2	54.8	3.9	34.1	0.73	0.97	10.1	2.1	0.014
114	-75.582344	6.298274	R	21.0	37.8	2.2	35.3	0.71	0.98	10.6	2.6	0.017
115	-75.577674	6.293773	R	12.5	26.2	1.6	34.6	0.72	0.97	13.1	3.0	0.016
116	-75.573715	6.286616	R	43.4	63.3	4.1	35.4	0.73	0.98	9.5	2.0	0.015
117	-75.573387	6.296180	R	77.2	93.6	6.1	36.5	0.68	0.98	8.0	1.4	0.015
118	-75.569104	6.300199	V	84.1	114.6	7.6	34.0	0.73	0.96	9.0	1.6	0.015
119	-75.568006	6.293510	V	197.0	232.2	17.0	40.5	0.64	0.99	8.6	1.5	0.014
120	-75.569912	6.279246	V	63.3	87.0	6.1	35.2	0.68	0.98	9.7	1.8	0.014
121	-75.559158	6.290414	R	88.8	141.8	8.5	33.6	0.72	0.98	9.5	2.0	0.017
122	-75.562376	6.284526	R	23.3	45.1	2.5	32.0	0.75	0.98	10.6	2.3	0.018
123	-75.562313	6.281573	R	47.2	79.9	4.3	35.0	0.71	1.00	9.1	2.0	0.019
124	-75.557104	6.279023	V	95.3	122.3	7.6	36.0	0.70	0.97	8.0	1.6	0.016
125	-75.552684	6.285179	R	60.0	65.4	4.9	35.2	0.72	0.98	8.2	1.2	0.013
126	-75.546033	6.290182	R	10.5	19.7	1.4	31.8	0.79	0.99	13.0	2.2	0.014
127	-75.542201	6.293325	R	39.4	64.3	4.8	28.3	0.82	0.98	12.3	2.1	0.013
128	-75.541370	6.299030	R	36.1	60.6	3.9	30.1	0.76	0.97	10.9	2.1	0.015
129	-75.551972	6.296070	R	43.1	71.6	5.1	29.3	0.81	1.00	11.8	2.0	0.014
130	-75.552898	6.304413	V	80.3	116.4	8.2	31.3	0.76	0.98	10.2	1.8	0.014
131	-75.549315	6.308987	R	164.6	212.3	16.0	26.3	0.81	0.95	9.7	1.5	0.013
132	-75.559251	6.310842	V	33.3	54.6	3.1	34.3	0.71	0.97	9.4	2.1	0.017
133	-75.563961	6.307489	R	12.9	27.8	1.7	34.8	0.68	0.98	13.1	3.0	0.016
134	-75.567945	6.308784	R	25.3	39.6	2.5	33.5	0.74	0.98	9.9	2.0	0.016
135	-75.569389	6.304860	R	78.5	74.2	6.6	31.9	0.76	0.97	8.4	1.2	0.011
136	-75.576678	6.304393	R	3.7	11.2	0.7	33.3	0.74	0.98	19.2	3.4	0.016
137	-75.581613	6.306626	R	16.7	28.3	1.9	35.6	0.71	0.97	11.3	2.1	0.015
138	-75.578992	6.312808	R	5.5	11.4	0.8	33.3	0.74	0.97	14.3	2.0	0.014
139	-75.572715	6.312688	R	9.3	23.9	1.4	34.8	0.72	0.96	15.2	3.7	0.017
140	-75.567842	6.315298	R	13.7	23.3	1.6	32.3	0.72	0.93	11.6	2.3	0.015
141	-75.561879	6.319497	R	18.4	28.0	1.6	35.5	0.67	0.98	8.8	2.1	0.017
142	-75.565980	6.325740	R	26.3	41.2	3.3	33.4	0.68	0.94	12.4	1.9	0.013
143	-75.567224	6.331507	R	47.2	67.1	3.6	38.3	0.69	0.98	7.6	1.9	0.019
144	-75.559803	6.336337	V	22.2	35.3	2.2	30.0	0.77	0.99	10.1	1.9	0.016
145	-75.566259	6.346061	V	53.4	65.5	4.1	33.0	0.74	0.99	7.6	1.5	0.016
146	-75.564505	6.341081	V	63.8	76.6	4.6	33.5	0.75	0.99	7.2	1.5	0.017
147	-75.559608	6.329957	V	49.1	62.7	4.3	32.0	0.76	1.02	8.7	1.7	0.015
148	-75.550379	6.335898	V	62.3	77.5	6.5	33.1	0.73	0.97	10.4	1.5	0.012

149	-75.539494	6.345288	R	24.8	52.6	2.8	30.7	0.76	0.95	11.2	2.7	0.019
150	-75.550050	6.345593	V	28.0	41.1	2.1	32.6	0.76	1.02	7.6	1.8	0.019
151	-75.551829	6.348610	R	34.9	76.2	3.6	29.2	0.78	0.96	10.4	2.6	0.021
152	-75.557582	6.345254	R	36.2	56.9	3.3	29.8	0.77	0.99	9.1	2.0	0.017
153	-75.567235	6.351106	R	17.8	29.5	1.7	29.7	0.75	0.97	9.5	2.1	0.018
154	-75.572182	6.345943	R	18.7	34.1	2.1	26.8	0.77	0.94	11.1	2.1	0.016
155	-75.543779	6.341682	R	77.4	86.2	5.3	35.8	0.69	0.96	6.8	1.3	0.016
156	-75.553544	6.339547	V	26.2	40.8	2.4	34.0	0.72	0.96	9.2	2.0	0.017
157	-75.553395	6.316451	V	63.2	81.1	6.5	25.5	0.83	0.99	10.3	1.4	0.012
158	-75.547843	6.324709	V	124.6	156.9	11.7	23.8	0.84	1.07	9.4	1.6	0.013
159	-75.538026	6.333170	V	26.5	41.3	2.7	32.1	0.74	0.98	10.2	2.1	0.015
160	-75.547870	6.332793	V	18.3	36.4	2.2	35.1	0.74	1.01	12.1	2.4	0.016
161	-75.635842	6.087709	V	42.7	52.2	3.5	35.5	0.69	0.95	8.2	1.6	0.015
165	-75.636693	6.110941	V	41.1	51.1	3.4	35.4	0.70	0.99	8.3	1.5	0.015
168	-75.633670	6.121916	I	39.3	57.8	4.3	36.0	0.84	1.20	10.9	1.9	0.014
170	-75.643366	6.151216	R	29.0	42.0	3.3	37.8	0.64	0.90	11.3	1.8	0.013
172	-75.643558	6.157410	R	15.0	23.3	1.7	33.9	0.72	0.97	11.3	1.8	0.014
174	-75.635197	6.155094	I	25.6	42.5	3.0	37.2	0.81	1.14	11.9	1.9	0.014
176	-75.649214	6.170641	R	10.9	23.0	1.3	34.5	0.71	0.97	12.3	3.2	0.017
180	-75.648910	6.186422	R	9.0	21.2	1.1	36.4	0.69	0.95	12.6	3.6	0.019
182	-75.640728	6.177538	R	5.8	10.0	0.6	36.0	0.72	0.97	11.0	2.4	0.016
184	-75.629654	6.169969	V	235.9	279.5	21.7	37.9	0.70	1.05	9.2	1.5	0.013
202	-75.344785	6.429661	V	6.2	14.1	0.9	32.4	0.72	0.93	14.7	2.7	0.015
209	-75.368006	6.421009	V	47.0	53.2	4.3	36.2	0.65	0.95	9.2	1.0	0.012
213	-75.409480	6.412936	I	27.4	48.1	3.0	32.5	0.75	0.95	10.8	2.2	0.016
218	-75.331340	6.440314	R	17.3	27.6	1.7	29.4	0.70	0.92	10.1	1.8	0.016
221	-75.425423	6.392305	R	18.0	36.6	2.4	31.2	0.73	0.93	13.2	2.4	0.015
227	-75.439750	6.372507	R	5.2	15.8	1.1	32.4	0.71	0.94	21.2	3.9	0.014
230	-75.455402	6.368546	R	0.9	2.9	0.3	36.0	0.87	1.04	27.8	10.1	0.012
234	-75.473326	6.368589	R	2.6	9.1	0.6	32.5	0.75	0.96	23.8	3.5	0.015
237	-75.439238	6.395334	V	39.6	58.6	4.2	30.4	0.73	0.86	10.6	1.8	0.014
246	-75.511718	6.345377	R	45.9	37.0	4.0	35.4	0.81	1.13	8.7	2.5	0.009
250	-75.493415	6.362665	V	22.6	35.5	2.3	35.9	0.69	0.96	10.2	1.8	0.015
256	-75.514724	6.366806	R	2.8	7.1	0.5	34.0	0.71	0.95	16.1	3.5	0.016
BASE 2			Control	4.2	11.5	0.7	33.7	0.74	0.97	16.9	2.5	0.016
BASE 3			Control	2.1	7.7	0.5	34.2	0.72	0.96	23.8	5.0	0.015

Table S2. Elemental analysis (ICP-OES) of *Tillandsia recurvata* from Aburra Valley. R: residential; V: vehicular; I: industrial; and Control: BASE.

Samples	Land use	Ba	Co	Cr	Cu	Fe	Mo	Ni	Pb	Sb	Sn	V	Zn
TM		[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]
2	V	505	0.1	89.9	174	132	4.6	26	34	16.0	34.0	21.0	327
7	I	227	1.0	39.2	35	57	1.3	15	25	5.3	5.1	11.0	577
12	I	228	0.5	56.7	54	107	2.0	23	25	4.6	7.6	21.0	389
14	I	549	0.9	47.3	73	79	2.1	21	21	9.9	11.0	15.0	472
15	I	159	0.8	27.7	38	63	1.4	15	13	4.9	3.8	12.0	296
17	V	231	0.4	42.5	58	85	1.3	21	17	4.6	5.9	16.0	321
23	V	191	0.1	24.7	27	39	0.9	7	9	5.9	5.6	7.9	108
26	R	53	0.4	12.7	21	25	0.4	6	5	2.0	1.7	4.8	85
27	V	72	0.7	9.4	38	18	0.7	5	3	4.6	3.8	2.8	121
29	R	115	0.6	16.9	41	30	0.9	8	6	5.6	7.9	4.5	184
31	R	26	0.3	5.3	14	8	0.2	2	2	1.8	1.2	1.2	62
34	V	378	0.4	63.8	64	104	1.6	21	67	4.8	8.2	18.0	286
38	V	261	0.2	41.1	67	67	1.7	12	13	8.0	11.0	10.0	171
41	V	115	0.2	38.2	30	58	1.2	11	11	6.0	7.3	11.0	153
46	I	192	0.6	20.0	22	30	0.8	8	10	5.2	4.1	5.2	152
51	V	487	0.3	112.0	209	159	6.3	32	36	20.0	46.0	19.0	323
53	V	124	4.3	86.7	28	83	0.7	37	2	3.6	3.9	12.0	71
58	R	118	1.2	26.8	26	43	0.7	11	12	2.3	1.6	8.0	240
61	V	285	0.8	96.6	63	110	1.6	27	19	6.2	5.4	18.0	238
63	V	249	0.1	52.5	81	78	2.6	15	23	14.0	20.0	11.0	187
64	I	282	0.3	51.5	100	94	2.0	19	60	9.8	11.0	16.0	238
73	R	41	0.5	10.6	8	35	1.2	5	3	1.4	0.3	6.8	71
77	R	134	0.7	23.8	28	43	0.6	9	9	3.3	2.6	8.2	255
79	V	214	0.7	28.0	48	44	0.9	10	12	6.8	3.9	6.6	231
80	V	297	0.1	94.6	61	148	2.5	39	40	7.4	14.0	22.0	252
88	V	304	0.6	117.0	66	99	1.8	28	42	7.6	6.2	12.0	205
91	R	84	2.2	53.9	21	49	0.6	22	25	2.7	1.8	6.8	230
103	I	485	0.1	122.0	98	189	2.5	35	50	5.3	12.0	30.0	209
107	V	156	1.3	26.5	39	39	0.9	14	14	5.4	3.5	5.4	256
110	V	205	0.7	51.6	61	71	1.4	14	15	5.2	4.7	12.0	210
113	R	91	0.8	30.4	13	50	0.4	9	12	2.1	0.4	8.8	121
119	V	429	0.7	63.1	53	84	1.8	23	16	7.4	5.2	12.0	253
124	V	172	2.6	85.7	40	79	0.8	34	70	4.0	3.8	11.0	123
127	R	43	1.1	56.8	10	35	0.2	23	6	1.8	0.7	3.4	81
131	R	152	8.0	193.0	15	183	0.7	105	38	3.6	0.6	19.0	157
135	R	63	1.9	35.6	27	46	0.3	13	14	1.2	1.1	6.5	95
137	R	56	0.6	16.5	14	22	0.3	6	4	2.0	1.5	3.9	66
142	R	55	1.3	32.2	9	60	0.3	11	4	1.5	0.0	14.0	42
145	V	97	1.6	43.2	14	39	0.4	19	6	2.5	0.7	5.5	147
155	R	158	1.5	62.1	38	67	0.7	27	10	4.3	2.7	10.0	153
158	V	105	4.0	174.0	32	124	0.7	80	43	2.7	1.0	15.0	153
168	I	88	0.5	20.2	17	65	0.4	10	12	2.0	0.9	13.0	86
170	R	80	0.4	18.8	47	64	0.4	14	6	1.0	0.7	16.0	41
180	R	39	0.6	5.5	7	14	0.2	3	3	1.0	0.4	2.7	127
184	V	433	0.3	106.0	71	181	1.7	32	43	3.3	9.1	33.0	333
209	V	151	0.1	30.9	18	121	0.6	12	13	0.2	1.3	25.0	135
218	R	65	0.1	11.9	10	30	0.2	4	6	0.9	0.5	6.3	96

227	R	35	0.5	12.9	8	25	0.2	4	4	1.1	3.2	5.2	53
246	R	124	0.7	47.6	20	65	0.6	14	15	2.8	1.7	12.0	103
250	V	96	1.2	31.9	23	40	0.4	10	8	1.6	0.8	7.2	238
BASE 2	Control	46	0.7	4.7	10	260	0.4	4.0	6.0	0.6	1.1	3.2	21.0

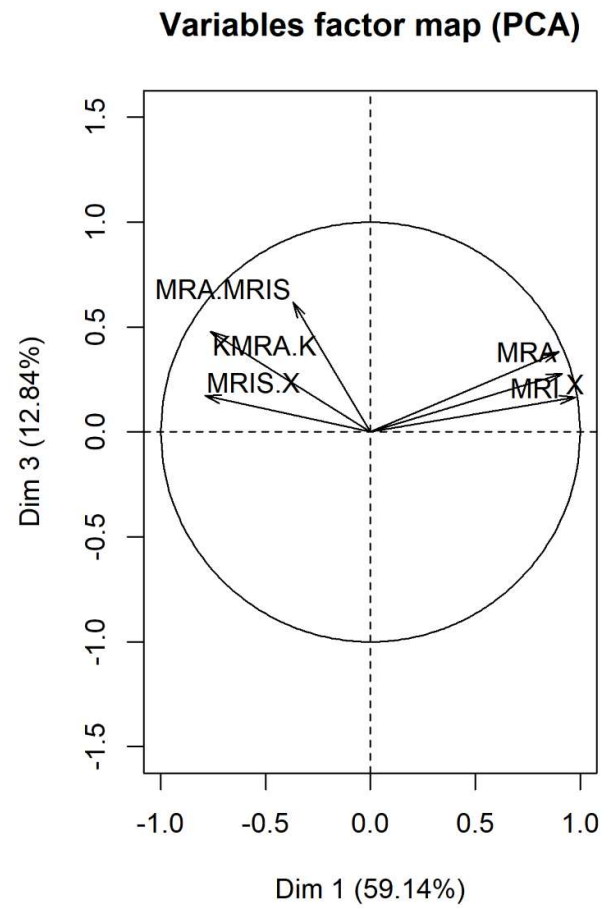
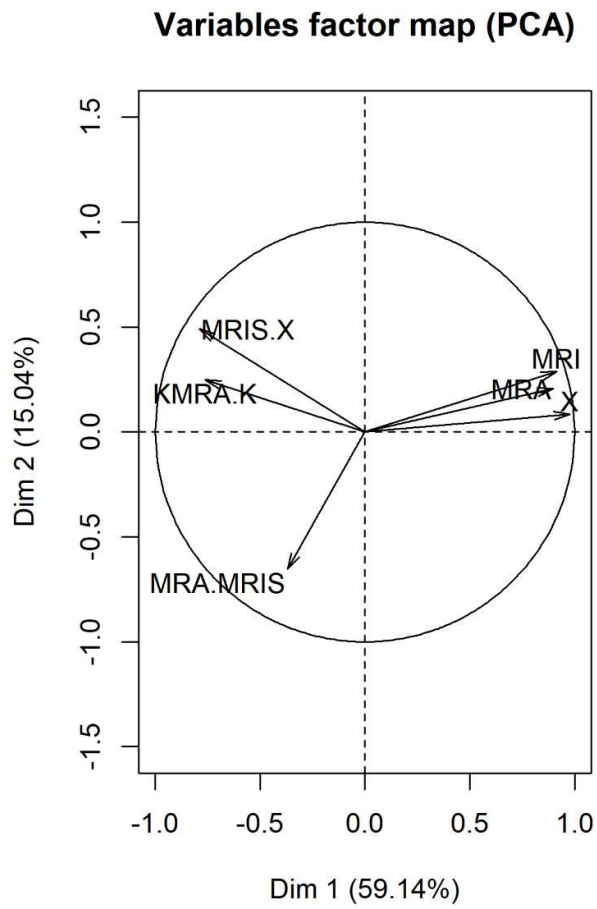


Figure S1. Principal component analysis for AMVA using magnetic variables. PCA biplots show a direct relationship between χ_{ARM} and SIRM (right), and a relationship between $\chi_{\text{ARM}}/\chi_{\text{SIRM}}$ and ARM/SIRM (left).