

Table S1: List of the landrace accessions with better performance over checks mean for most preferred farmers and consumer traits and their stability

s/n	Genotype	Yield	DMC	YMV	YAD	TUBOXI	Stability	Rank (Stability)
1	TDa21_169	25.88	38.43	5.68	6.89	0.80	0.00	0
2	TDr21_162	21.19	43.40	5.85	5.44	0.05	0.00	0
3	TDc21_059	19.30	38.00	6.32	6.11	0.06	0.15	7
4	TDr21_089	21.25	41.43	5.87	6.08	0.95	0.17	11
5	TDr21_142	17.74	38.54	5.02	6.12	0.05	0.18	13
6	TDr21_037	21.58	36.58	5.86	6.70	0.05	0.35	19
7	TDa21_080	21.35	36.10	5.89	6.89	0.05	0.46	22
8	TDr21_153	18.61	40.32	5.86	6.87	0.05	0.46	24
9	TDr21_167	24.39	37.23	5.84	6.12	0.95	0.48	25
10	TDr21_154	25.52	36.30	5.87	5.96	0.27	1.18	46
11	TDc21_190	33.08	36.54	6.71	5.40	0.05	1.59	52
12	TDr21_134	20.11	39.09	6.71	5.47	0.05	1.60	54
13	TDa21_073	23.35	38.21	5.47	6.56	0.05	1.72	57
14	TDa21_152	23.84	38.05	5.05	6.90	0.28	2.06	64
15	TDr21_131	25.25	39.39	5.03	5.38	0.05	2.18	67
16	TDa21_050	19.85	36.74	5.47	6.71	0.05	2.32	68
17	TDa21_005	21.75	38.87	5.26	7.12	0.13	2.98	75
18	TDr21_163	33.02	36.54	5.04	6.22	0.05	3.05	77
19	TDa21_034	24.09	37.78	5.26	6.90	0.20	3.16	78
20	TDr21_099	35.81	37.57	5.04	6.96	0.95	3.46	80
21	TDr21_004	50.21	37.15	5.00	6.12	0.05	3.73	81
22	TDr21_033	23.20	39.54	4.55	6.58	0.94	5.12	90
23	TDr21_183	19.07	38.14	5.87	6.45	0.05	5.16	92
24	TDr21_077	24.31	36.90	6.31	6.53	0.50	6.14	95
25	TDa21_014	22.88	37.98	5.24	5.82	0.27	6.25	96
26	TDa21_160	21.61	36.11	5.04	7.21	0.50	6.54	98
27	TDa21_032	21.32	37.18	5.68	6.71	0.05	7.07	100
28	TDa21_003	21.26	37.15	4.84	6.71	0.05	7.97	103
29	TDr21_006	18.91	37.91	5.22	6.37	0.05	9.31	107
30	TDc21_188	22.33	35.70	4.22	5.58	0.95	10.90	112
31	TDp21_159	22.90	38.50	5.03	5.26	0.27	11.82	114
32	TDr21_039	35.87	39.55	5.46	5.96	0.05	14.29	116
33	TDa21_144	22.72	36.23	4.63	6.75	0.20	17.21	119
34	TDr21_013	18.46	36.30	5.66	6.08	0.05	25.80	131
35	TDr21_067	21.19	37.59	5.43	5.44	0.50	33.30	135
36	TDa21_009	21.63	38.58	5.68	6.93	0.05	36.75	139
37	TDr21_045	21.77	39.42	6.08	5.59	0.80	37.12	140
38	TDr21_185	19.83	38.10	5.47	6.34	0.50	75.42	153
39	TDr21_016	19.43	36.66	5.42	5.41	0.05	79.29	154

40	TDr21_137	25.89	38.55	5.27	5.96	0.28	93.17	157
41	TDa21_068	23.32	36.69	4.84	6.93	0.20	117.81	159
42	TDr21_017	27.50	39.76	5.42	6.77	0.50	153.24	162
43	TDr21_106	21.20	38.23	5.86	6.01	0.28	159.48	163
44	TDc21_135	24.05	37.60	5.05	6.41	0.94	160.09	164
45	TDr21_115	23.03	37.47	5.88	6.01	0.27	166.85	166
46	TDr21_177	24.52	40.40	6.28	5.94	0.05	180.66	167
47	TDr21_164	22.65	38.74	5.42	6.12	0.05	200.19	168
48	TDr21_060	22.61	36.26	5.28	6.11	0.06	202.79	169
49	TDr21_047	21.00	37.55	5.45	6.70	0.72	269.95	170
50	TDc21_117	23.60	35.70	5.66	5.40	0.72	309.65	172
51	TDr21_166	29.20	41.85	5.42	5.96	0.05	389.06	175
Checks mean		17.40	35.42	6.72	7.21			

DMC= Dry matter content; TUBOXI= Intensity of tuber oxidation; YMV= Yam mosaic virus disease; YAD= Yam anthracnose disease; Stability= Shukla's stability.