

**LSMeans/BLUEs (Geno-Fixed) of 13WS\_MET0 Module1 (Isabela)**

SET	METNO	Fixed Name	BLUEs	Rank
Isabela	MT5926	PR40058-(PSB Rc68/ICRL)-2008WS-11-4-7	7.74	1
Isabela	MT5641	IR 12A123	6.64	2
Isabela	MT5590	IR 11A255	6.27	3
Isabela	MT5925	PR40858-NSIC Rc9-M4R-384	6.16	4
Isabela	MT5911	PR38075-B-4-B-B-B	6.13	5
Isabela	MT5584	IR 11A201	6.10	6
Isabela	MT5637	IR 11N405	6.09	7
Isabela	MT5960	PR30245-(IR64) ID 18-1-4	6.05	8
Isabela	MT5674	HHZ 1-DT3-Y1-Y1	6.05	9
Isabela	MT5610	IR 11A501	6.01	10
Isabela	MT5877	PR 40421-1-1-1-B	6.01	11
Isabela	MT5864	PR40200-B-B-B-115-2	6.00	12
Isabela	MT5957	PR30025-99AC (WSAL-1086)	5.97	13
Isabela	MT5927	PR38429-B-17-5-B-B	5.96	14
Isabela	MT5697	HHZ 14-DT12-LI1-LI1	5.95	15
Isabela	MT5694	HHZ 10-DT7-Y1	5.94	16
Isabela	MT5742	IR12L125	5.94	17
Isabela	MT5867	PR39206-2B-47-1-2-2	5.90	18
Isabela	MT5739	IR11L355	5.89	19
Isabela	MT5682	HHZ 4-DT3-LI1-LI1	5.89	20
Isabela	MT5723	Hanareumbyeo 2 (Milyang 240)	5.85	21
Isabela	MT5632	IR 11N313	5.84	22
Isabela	MT5921	PR40858-NSIC Rc9-M4R-354	5.83	23
Isabela	MT5871	PR40092-13-2	5.83	24
Isabela	MT5954	PR34366-4-Pokkali-AC-49-M5R-23 (DrS 101)	5.82	25
Isabela	MT5886	PR40524-2-1	5.80	26
Isabela	MT5576	IR 10N264	5.80	27
Isabela	MT5698	HHZ 14-SAL10-DT1-DT1	5.79	28
Isabela	MT5693	HHZ 10-DT5-LI1-LI1	5.78	29
Isabela	MT5593	IR 11A296	5.78	30
Isabela	MT5705	HHZ 16-SAL13-LI1-LI1	5.78	31
Isabela	MT5750	IR12L225	5.77	32
Isabela	MT5932	C9305-B-9-1	5.77	33
Isabela	MT5745	IR12L144	5.76	34
Isabela	MT5738	IR11L327	5.76	35
Isabela	MT5685	HHZ 4-SAL12-LI1-LI1	5.76	36
Isabela	MT5555	IR 08N150	5.76	37
Isabela	MT5601	IR 11A410	5.75	38
Isabela	MT5892	PR40539-B-B-16	5.75	39
Isabela	MT5756	IR12L251	5.74	40
Isabela	MT5891	PR39870-3B-5	5.72	41
Isabela	MT5749	IR12L214	5.72	42
Isabela	MT5668	IR 10F616	5.72	43
Isabela	MT5582	IR 11A175	5.71	44

SET	METNO	Fixed Name	BLUEs	Rank
Isabela	MT5890	PR39876-4B-12	5.69	45
Isabela	MT5751	IR12L232	5.69	46
Isabela	MT5646	IR 12N130	5.67	47
Isabela	MT5737	IR09L226	5.66	48
Isabela	MT5923	PR38121-B-1-B-B-B	5.64	49
Isabela	MT5677	HHZ 2-SUB2-DT1-DT1	5.64	50
Isabela	MT5627	IR 11N187	5.64	51
Isabela	MT5633	IR 11N336	5.63	52
Isabela	MT5943	PR40095-3-1	5.62	53
Isabela	MT5743	IR12L130	5.62	54
Isabela	MT5663	IR 10F365	5.62	55
Isabela	MT5914	PR38121-B-26-B-B-B	5.61	56
Isabela	MT5544	IR 02A149	5.61	57
Isabela	MT5653	IR 90872H	5.60	58
Isabela	MT5917	PR40858-NSIC Rc9-M4R-435	5.60	59
Isabela	MT5870	PR38794-2B-4-2-1-3	5.60	60
Isabela	MT5707	HHZ 21-DT7-Y1-Y1	5.59	61
Isabela	MT5912	PR40858-NSIC Rc9-M4R-440	5.57	62
Isabela	MT5704	HHZ 15-SAL13-Y3	5.57	63
Isabela	MT5692	HHZ 6-Y2-Y1-DT1	5.56	64
Isabela	MT5949	PR40613-AB-15	5.56	65
Isabela	MT5744	IR12L136	5.56	66
Isabela	MT5896	PR40538-B-B-3-1	5.56	67
Isabela	MT5709	HHZ 21-Y4-Y2-Y1	5.55	68
Isabela	MT5934	PR43303-5-53	5.53	69
Isabela	MT5565	IR 09N542	5.51	70
Isabela	MT5597	IR 11A332	5.50	71
Isabela	MT5868	PR39248-2B-B-B-67-1	5.49	72
Isabela	MT5730	IR86385-138-2-1-B	5.49	73
Isabela	MT5946	PR40613-AB-70	5.47	74
Isabela	MT5875	PR 39144-25-1-3-3-1-B	5.47	75
Isabela	MT5678	HHZ 3-SAL13-Y1-SAL1	5.45	76
Isabela	MT5961	PR34350-2-Pokkali-AC-24-M5R-8 (DrS 87)	5.45	77
Isabela	MT5556	IR 08N159	5.45	78
Isabela	MT5920	PR40858-NSIC Rc9-M4R-437	5.43	79
Isabela	MT5721	IR 11C173	5.43	80
Isabela	MT5581	IR 11A162	5.42	81
Isabela	MT5557	IR 09A102	5.41	82
Isabela	MT5944	PR40096-9-1-1	5.41	83
Isabela	MT5683	HHZ 4-DT3-Y1-Y1	5.39	84
Isabela	MT5939	PR40093-29-2	5.39	85
Isabela	MT5690	HHZ 6-SAL3-Y1-SUB2	5.38	86
Isabela	MT5596	IR 11A325	5.37	87
Isabela	MT5583	IR 11A198	5.35	88
Isabela	MT5553	IR 08N121	5.35	89
Isabela	MT5897	PR40228-2B-B-36	5.35	90

SET	METNO	Fixed Name	BLUEs	Rank
Isabela	MT5741	IR11L412	5.34	91
Isabela	MT5624	IR 11N169	5.32	92
Isabela	MT5644	IR 12N122	5.32	93
Isabela	MT5719	IR 11C134	5.32	94
Isabela	MT5933	PR43302-4-43	5.30	95
Isabela	MT5606	IR 11A447	5.29	96
Isabela	MT5603	IR 11A427	5.28	97
Isabela	MT5904	12WS-PYT-34	5.28	98
Isabela	MT5686	HHZ 4-SAL5-LI1-LI1	5.27	99
Isabela	MT5571	IR 10A328	5.26	100
Isabela	MT5717	IR 11C128	5.26	101
Isabela	MT5711	HHZ 23-DT16-DT1-DT1	5.26	102
Isabela	MT5748	IR12L201	5.26	103
Isabela	MT5605	IR 11A445	5.24	104
Isabela	MT5635	IR 11N400	5.24	105
Isabela	MT5895	PR38169-B-11-2-1-2-2-1-1	5.23	106
Isabela	MT5861	PR40146-B-14-1-4-2	5.22	107
Isabela	MT5755	IR12L250	5.21	108
Isabela	MT5616	IR 11A534	5.21	109
Isabela	MT5695	HHZ 10-DT8-DT1-DT1	5.20	110
Isabela	MT5720	IR 11C138	5.20	111
Isabela	MT5551	IR 06N209	5.15	112
Isabela	MT5945	PR40096-17-1-1	5.15	113
Isabela	MT5629	IR 11N239	5.14	114
Isabela	MT5915	PR40858-NSIC Rc9-M4R-353	5.14	115
Isabela	MT5700	HHZ 14-SAL19-Y1	5.14	116
Isabela	MT5615	IR 11A526	5.14	117
Isabela	MT5866	PR40200-B-B-B-70-2	5.13	118
Isabela	MT5930	PR39166-B-5-B-B-1	5.13	119
Isabela	MT5703	HHZ 15-SAL13-Y1	5.12	120
Isabela	MT5902	PR42967-B-B-5-1-3	5.12	121
Isabela	MT5623	IR 11N140	5.12	122
Isabela	MT5689	HHZ 6-DT8-LI1-LI1	5.11	123
Isabela	MT5948	PR40613-AB-8	5.10	124
Isabela	MT5642	IR 12N103	5.08	125
Isabela	MT5746	IR12L152	5.05	126
Isabela	MT5757	IR 65482-7-216-1-2-B	5.03	127
Isabela	MT4902	PSB Rc82	5.03	128
Isabela	MT5552	IR 08N104	5.02	129
Isabela	MT5561	IR 09N296	5.02	130
Isabela	MT5609	IR 11A483	5.02	131
Isabela	MT5959	PR38583-(IR64/AC97WP-135) 36-1-6	5.01	132
Isabela	MT5573	IR 10M238	5.00	133
Isabela	MT5863	PR40200-B-B-B-75-5	5.00	134
Isabela	MT5753	IR12L240	5.00	135
Isabela	MT5684	HHZ 4-DT6-LI2-LI1	4.99	136

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SET	METNO	Fixed Name	BLUEs	Rank
Isabela	MT5649	IR 90875H	4.98	137
Isabela	MT5942	PR40095-1	4.97	138
Isabela	MT5622	IR 11N122	4.96	139
Isabela	MT5931	C92203-B-21-1-2	4.96	140
Isabela	MT5740	IR11L384	4.95	141
Isabela	MT5905	PR42971-B-2-1-1-1-1	4.95	142
Isabela	MT5607	IR 11A473	4.94	143
Isabela	MT5937	PR40091-46-1-1	4.91	144
Isabela	MT5546	IR 04A381	4.91	145
Isabela	MT5879	PR40523-1-1	4.90	146
Isabela	MT5672	IR 11F195	4.88	147
Isabela	MT5665	IR 10F550	4.85	148
Isabela	MT5548	IR 05N113	4.84	149
Isabela	MT5952	PR40613-AB-98	4.83	150
Isabela	MT5588	IR 11A245	4.83	151
Isabela	MT5604	IR 11A429	4.83	152
Isabela	MT5883	PR40516-5-8-1	4.82	153
Isabela	MT5680	HHZ 3-SAL4-Y1-Y1	4.81	154
Isabela	MT5963	PR33374-28-1-5-B-B	4.81	155
Isabela	MT5676	HHZ 1-DT7-LI2-LI1	4.80	156
Isabela	MT5906	12WS-MSL-37	4.80	157
Isabela	MT5569	IR 10A261	4.78	158
Isabela	MT5889	PR40526-2-2	4.76	159
Isabela	MT5869	PR38640-B-1-1-1-1	4.76	160
Isabela	MT5924	PR40858-NSIC Rc9-M4R-340	4.76	161
Isabela	MT5568	IR 10A196	4.76	162
Isabela	MT5735	IR88338-2-AJY1-B	4.75	163
Isabela	MT5638	IR 11W109	4.75	164
Isabela	MT5888	PR40525-6-1	4.71	165
Isabela	MT5661	IR 10F302	4.71	166
Isabela	MT5652	IR 81255H	4.70	167
Isabela	MT5899	PR40543-B-B-2	4.69	168
Isabela	MT5733	IR86385-93-3-1-B	4.69	169
Isabela	MT5626	IR 11N185	4.69	170
Isabela	MT5708	HHZ 21-SAL13-Y1-Y1	4.68	171
Isabela	MT5613	IR 11A522	4.68	172
Isabela	MT5747	IR12L159	4.68	173
Isabela	MT5434	NSIC Rc132H (Mestizo 6)	4.68	174
Isabela	MT5754	IR12L248	4.68	175
Isabela	MT5558	IR 09A104	4.67	176
Isabela	MT5602	IR 11A417	4.66	177
Isabela	MT5612	IR 11A516	4.64	178
Isabela	MT5687	HHZ 4-SAL5-Y2-Y1	4.63	179
Isabela	MT5955	PR30952-AC10 SSD-24	4.62	180
Isabela	MT5935	PR43303-5-59	4.62	181
Isabela	MT5681	HHZ 3-SAL6-Y1-Y1	4.62	182

SET	METNO	Fixed Name	BLUEs	Rank
Isabela	MT5636	IR 11N403	4.60	183
Isabela	MT5881	PR40531-20-3-1	4.59	184
Isabela	MT5599	IR 11A372	4.59	185
Isabela	MT5554	IR 08N133	4.59	186
Isabela	MT5731	IR86385-170-1-1-B	4.58	187
Isabela	MT5578	IR 10N382	4.57	188
Isabela	MT5664	IR 10F548	4.56	189
Isabela	MT5865	PR41455-B-B-1	4.56	190
Isabela	MT5947	PR40613-AB-58	4.55	191
Isabela	MT5706	HHZ 18-Y3-Y1-Y1	4.54	192
Isabela	MT5600	IR 11A391	4.53	193
Isabela	MT5894	PR37770 (Fe)-B-1-2-2-2-2-1-2-1-1	4.53	194
Isabela	MT5701	HHZ 14-Y7-Y1-DT2	4.52	195
Isabela	MT5734	IR87839-4-1-1-B	4.50	196
Isabela	MT5860	PR40127-B-16-1-2-2	4.50	197
Isabela	MT5549	IR 06A181	4.50	198
Isabela	MT5614	IR 11A524	4.44	199
Isabela	MT5688	HHZ 6-DT1-LI1-LI1	4.44	200
Isabela	MT5628	IR 11N217	4.44	201
Isabela	MT5656	IR 94398H	4.43	202
Isabela	MT5574	IR 10M300	4.43	203
Isabela	MT5916	PR40858-NSIC Rc9-M4R-356	4.42	204
Isabela	MT5645	IR 12N124	4.37	205
Isabela	MT5956	PR30658-3B-B-1-1	4.35	206
Isabela	MT5594	IR 11A302	4.34	207
Isabela	MT5592	IR 11A293	4.33	208
Isabela	MT5962	PR34363-1-Pokkali-AC-45-M5R-16 (DrS 94)	4.33	209
Isabela	MT5595	IR 11A306	4.32	210
Isabela	MT5669	IR 10F663	4.30	211
Isabela	MT5586	IR 11A214	4.29	212
Isabela	MT5913	PR40858-NSIC Rc9-M4R-345	4.29	213
Isabela	MT5893	PR40218-B-29-3-1-1	4.27	214
Isabela	MT5951	PR40613-AB-83	4.24	215
Isabela	MT5718	IR 11C130	4.22	216
Isabela	MT5648	IR 96433H	4.22	217
Isabela	MT5903	12WS-PYT-19	4.20	218
Isabela	MT5862	PR40146-B-4-1-4-1	4.20	219
Isabela	MT5433	NSIC Rc238	4.20	220
Isabela	MT5907	12WS-MSL-40	4.19	221
Isabela	MT5570	IR 10A270	4.18	222
Isabela	MT5620	IR 11A585	4.18	223
Isabela	MT5566	IR 10A127	4.17	224
Isabela	MT5589	IR 11A247	4.15	225
Isabela	MT5673	IR 11F216	4.15	226
Isabela	MT5619	IR 11A584	4.13	227
Isabela	MT5591	IR 11A279	4.13	228

SET	METNO	Fixed Name	BLUEs	Rank
Isabela	MT5547	IR 04N155	4.12	229
Isabela	MT5667	IR 10F602	4.11	230
Isabela	MT5950	PR40613-AB-69	4.11	231
Isabela	MT5625	IR 11N180	4.10	232
Isabela	MT5696	HHZ 10-SAL3-LI1-LI1	4.10	233
Isabela	MT5910	12WS-PYT-SB-14	4.09	234
Isabela	MT5714	IR 11C114	4.09	235
Isabela	MT5654	IR 96449H	4.09	236
Isabela	MT5598	IR 11A342	4.05	237
Isabela	MT5752	IR12L235	4.04	238
Isabela	MT5938	PR40092-2-1-1	4.01	239
Isabela	MT5874	PR 39557-9-2-3-1-B	4.01	240
Isabela	MT5887	DINORADO-5kR-38-3-2-3	4.01	241
Isabela	MT5732	IR86385-184-1-1-B	3.99	242
Isabela	MT5621	IR 11N121	3.96	243
Isabela	MT5922	PR40858-NSIC Rc9-M4R-370	3.96	244
Isabela	MT5882	PR40527-1-2	3.96	245
Isabela	MT5572	IR 10M126	3.95	246
Isabela	MT5900	12WS-PYT-1	3.95	247
Isabela	MT5941	PR40094-35-1	3.95	248
Isabela	MT5579	IR 11A106	3.94	249
Isabela	MT5679	HHZ 3-SAL13-Y2-DT1	3.93	250
Isabela	MT5580	IR 11A151	3.93	251
Isabela	MT5928	PR38466-B-18-B-2-B	3.92	252
Isabela	MT5716	IR 11C127	3.91	253
Isabela	MT5630	IR 11N291	3.91	254
Isabela	MT5575	IR 10N259	3.91	255
Isabela	MT5666	IR 10F558	3.90	256
Isabela	MT5657	IR 94415H	3.89	257
Isabela	MT5617	IR 11A581	3.88	258
Isabela	MT5675	HHZ 1-DT4-LI1-LI1	3.87	259
Isabela	MT5562	IR 09N481	3.85	260
Isabela	MT5712	HHZ 24-DT11-LI1-LI1	3.84	261
Isabela	MT5670	IR 10F688	3.82	262
Isabela	MT5647	IR 96417H	3.82	263
Isabela	MT5550	IR 06N183	3.81	264
Isabela	MT5631	IR 11N304	3.81	265
Isabela	MT5936	PR40104-48-2	3.81	266
Isabela	MT5587	IR 11A216	3.80	267
Isabela	MT5585	IR 11A208	3.78	268
Isabela	MT5699	HHZ 14-SAL13-LI2-DT1	3.78	269
Isabela	MT5884	PR40521-10-6-1	3.77	270
Isabela	MT5662	IR 10F339	3.75	271
Isabela	MT5608	IR 11A479	3.73	272
Isabela	MT5655	IR 84713H	3.70	273

SET	METNO	Fixed Name	BLUEs	Rank
Isabela	MT5872	PR40094-45-2	3.68	274
Isabela	MT5640	IR 12A110	3.65	275
Isabela	MT5618	IR 11A583	3.65	276
Isabela	MT5643	IR 12N121	3.62	277
Isabela	MT5940	PR40094-19-3	3.61	278
Isabela	MT5715	IR 11C115	3.60	279
Isabela	MT5873	PR40149-2B-19-3	3.59	280
Isabela	MT5660	IR 98049H	3.55	281
Isabela	MT5901	PR39778-B-2-6-2-1-2	3.55	282
Isabela	MT5691	HHZ 6-SAL9-Y1	3.51	283
Isabela	MT5964	PR40476-3B-1-1	3.51	284
Isabela	MT4901	PSB Rc10	3.49	285
Isabela	MT5958	PR38583-(IR64/AC97DP-77) 12-12-2	3.48	286
Isabela	MT5563	IR 09N518	3.44	287
Isabela	MT5876	PR 38858-4-3-3-3-1-3-B	3.37	288
Isabela	MT5611	IR 11A506	3.37	289
Isabela	MT5671	IR 10F689	3.35	290
Isabela	MT5545	IR 02A483	3.23	291
Isabela	MT5639	IR 12A102	3.22	292
Isabela	MT5918	PR38075-B-2-B-B-B	3.19	293
Isabela	MT5726	Japonica 2(IR 83515-30-1-1-3)	3.17	294
Isabela	MT5634	IR 11N378	3.17	295
Isabela	MT5736	IR88384-7-AJY1-B	3.16	296
Isabela	MT5560	IR 09N173	3.01	297
Isabela	MT5908	12WS-AON-SB-1	3.00	298
Isabela	MT5909	12WS-PYT-SB-10	2.96	299
Isabela	MT5564	IR 09N535	2.91	300
Isabela	MT5919	PR38473-7	2.91	301
Isabela	MT5878	PR 40285-44-1-1-B	2.90	302
Isabela	MT5953	PR40613-AB-50	2.88	303
Isabela	MT5710	HHZ 22-Y3-DT1-Y1	2.88	304
Isabela	MT5965	PR40163-B-1-1	2.86	305
Isabela	MT5702	HHZ 15-DT7-SAL2	2.85	306
Isabela	MT5651	IR 96450H	2.74	307
Isabela	MT5880	PR40523-1--2	2.67	308
Isabela	MT5658	IR 96408H	2.62	309
Isabela	MT5567	IR 10A133	2.61	310
Isabela	MT5885	PR37911-1B-1-1-1	2.58	311
Isabela	MT5559	IR 09A229	2.47	312
Isabela	MT5577	IR 10N381	2.19	313
Isabela	MT5713	HHZ 26-SAL12-Y1-Y1	2.18	314
Isabela	MT5929	PR39950-B-5-B	2.12	315
Isabela	MT5659	IR 96426H	1.96	316
Isabela	MT5727	Jinmibyeo	1.78	317
Isabela	MT5724	IR 86635-2-3-3-3	1.62	318

SET	METNO	Fixed Name	BLUEs	Rank
Isabela	MT5728	MS 11(IRRI 142)	1.45	319
Isabela	MT5729	IR85862-B-B-AJY1-B	1.43	320
Isabela	MT5898	PR40214-B-5-1	1.42	321
Isabela	MT5725	Japonica 1 (IRRI 152)	1.42	322
Isabela	MT5722	Areumbyeo	1.01	323
Isabela	MT5650	IR 96418H	0.84	324

*top10 entries for Module1*  
 *check*  
\* *best check*  
 BLUEs *Best Linear Unbiased Estimators*