

**Table 2. Characteristics of eight mid-altitude tropical early/intermediate maturity inbred lines (CML 504 - CML 511)**

**White grained**

CML No	CIMMYT Line Code	Source Germplasm	Pedigree	Grain	Anth	Plant	Ear	Lodging	Ears/	Husk	MSV	Ear	Rust	Grain	GCA	GDD Male	Try	Quality	Heterotic	Heterotic
				Yield	Date	Height	Height	Root	Plant <sup>a</sup>	Cover	1-5	Rot	1-5	1-5	1-5	Yield	(10/30)	%	Index	Group
				t/ha	d	cm	cm	%	#	%	1-5	%	1-5	1-5		°d	-- in endosperm --			
504	CZL99014	Recycled	[COMPE2/P43SR//COMPE2]F#-20-1-1-B-1-BB-6-BB	3.7	76	158	72	6	0.74	6	2.5	5	2.0	1.5	Good	870			AB	CML202, CML440, CML442, CZL02007
505	CZL02003	Recycled	[92SEW2-77//[DMRESR-W]EarlySel-#1-2-4-B/CML386]-B-11-3-B-2-#-BB	3.5	69	128	64	3	1.10	4	1.5	8	2.3	2.0	Good	790			A	CML395, CML444
506	CZL02007	Katumani	[EarlyMid1/KatumaniSR]-#-169-2-4-B-1-#-B	2.5	65	150	60	6	0.73	6	2.0	6	2.0	2.0	Average	744			B	CML312, CML442, CZL99014, CZL03005
507	CZL03003	K64R, G16, CML390	[[[K64R/G16SR]-39-1/[K64R/G16SR]-20-2]-5-1-2-B*4/CML390]-B-38-1-B-7-#-BB	3.9	70	152	66	4	0.95	0	2.5	3	2.5	1.5	Good	801			B	CML312, CML442, CML444
508	CZL03004	Recycled	[89[G27/TEWTSRPool]-#-278-2-X-B/[COMPE2/P43SR//COMPE2]F#-20-1-1]-B-32-2-B-4-#-2-BB	3.2	73	137	58	6	1.27	0	2.5	6	2.5	2.0	Good	835			A	CML395, CML444
509	CZL03005	Recycled	[92SEW1-2//[DMRESR-W]EarlySel-#L-2-1-B/CML386]-B-22-1-B-4-#-1-BB	2.8	69	160	75	7	1.00	0	2.0	1	2.0	2.0	Good	790			A	CML395, CML444, CML202, CML312, CML216, CZL99014
510	CZL03006	Suwan	SW89300-1P5S2-5-#1-6-BB	2.7	78	147	64	0	1.19	3	2.5	4	2.2	1.5	Average	893			A	CML395, CML444, CML393

**White grained QPM**

511	CZL03018	Recycled	[CML389/CML176]-B-29-2-2-1-B	2.5	75	128	59	18	0.86	6	3.5	3	3.3	2.0	Good	858	0.08	0.86	B	CML144, CML159, CZL03016
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**Abbreviations**  
 CML No., CIMMYT Maize Line Number; Ear Asp., Ear Aspect; Grain Yield, per se grain yield; Grain text., Grain texture (1=flint, 5=dent); MSV, maize streak virus; Rust,*Puccinia sorghi*; GCA, General Combining Ability; GDD, growing degree days =  $[(T_{max} - T_{min})/2] - 10$ ; Try = Tryptophan; Quality Index =  $[(\% \text{ tryptophan} \times 100) / \% \text{ protein}]$ , endosperm values > 0.6 are considered QPM  
 Heterotic Group A is most similar to Tuxpeño or Stiff Stalk or N3 or Kitala; Heterotic Group B is most similar to ETO or Lancaster or SC or Ecuador

**Scales for scores:**  
 Yield, Vigor, Ear Asp. and Standability, 1= good, 5= poor; Tassel size, 1= large, 5= small; Disease (MSV, ear rot, and rust), 1= no or very mild symptoms, 5= very severe symptoms