Table S1 Sensory evaluation results of loose Meicha fermented with *Eurotium cristatum* under different roasting treatments

No.	Appearance	Aroma	Tea infusion color	Taste	Infused Leaves
CUF	Greenish-brown in color, relatively tight strips, with white frost, fairly even and whole, contains stems	Pronounced floral-fruity aroma	Light yellow, bright	Mellow and thick	Bluish-brown, soft, fairly even and neat
CL1	Yellowish-brown in color, relatively tightly-knit strips, surface with white frost, abundant "golden flowers" (*Eurotium cristatum*) of light yellow color, fairly even and whole	Relatively pronounced fungal aroma, with floral-fruity notes	Apricot yellow, bright	Mellow and somewhat thick, astringent	Yellowish-brown, with golden particles
CL5	Yellowish-brown in color, relatively tightly-knit strips, surface with white frost, abundant "golden flowers" of golden yellow color, fairly even and whole	Pronounced fungal aroma	Yellow, bright	Mellow and somewhat thick, sour, with a sweet aftertaste	Yellowish-brown, with golden particles
CL6	Yellowish-brown in color, relatively tightly-knit strips, surface with white frost, abundant "golden flowers" of deep yellow color, fairly even and whole	Pronounced fungal aroma	Deep yellow, bright	Mellow and somewhat thick, bitter	Yellowish-brown, with golden particles
CMF	Yellowish-brown in color, relatively tightly-knit strips, surface with abundant white frost, fully covered with "golden flowers" of bright yellow color, fairly even and whole	Pronounced fungal aroma, with medicinal notes	Deep apricot yellow, bright	Mellow and somewhat thick, with a fungal taste, sweet	Yellowish-brown, with golden particles
RUF	Yellowish-brown in color, slightly tight strips, densely covered with white frost, fairly even and whole, contains stems	Roasted aroma, sweet aroma	Light yellow, bright	Relatively mellow and thick, sweet, with a sweet aftertaste	Yellowish-brown, leaves with white frost
RL1	Deep yellowish-brown in color, slightly tight strips, densely covered with white frost, with "golden flowers" of light yellow color, still fairly even and whole, contains stems	Roasted aroma, with fungal notes	Light yellow, bright	Mellow and relatively thick	Deep yellowish-brown, leaves with white frost
RL5	Deep yellowish-brown in color, slightly tight strips, densely covered with white frost, numerous "golden flowers" of golden yellow color, still fairly even and whole, contains stems	Floral and fruity aroma, with fungal notes	Yellow, bright	Mellow and relatively thick, sour	Deep yellowish-brown, leaves with white frost
RL6	Deep yellowish-brown in color, slightly tight strips, densely covered with white frost, abundant "golden flowers" of deep yellow color, still fairly even and whole, contains stems	Fungal aroma, with floral-fruity notes	Yellow, bright	Mellow and somewhat thick	Deep yellow-brown, leaves with white frost
RMF	Deep yellowish-brown in color, slightly tightly-knit strips, surface fully covered with white frost, fully covered with "golden flowers" of bright yellow color, still fairly even and whole, contains stems	Pronounced and persistent fungal aroma	Yellow, bright	Mellow and thick, slightly astringent on the palate	Deep yellow-brown, leaves with white frost