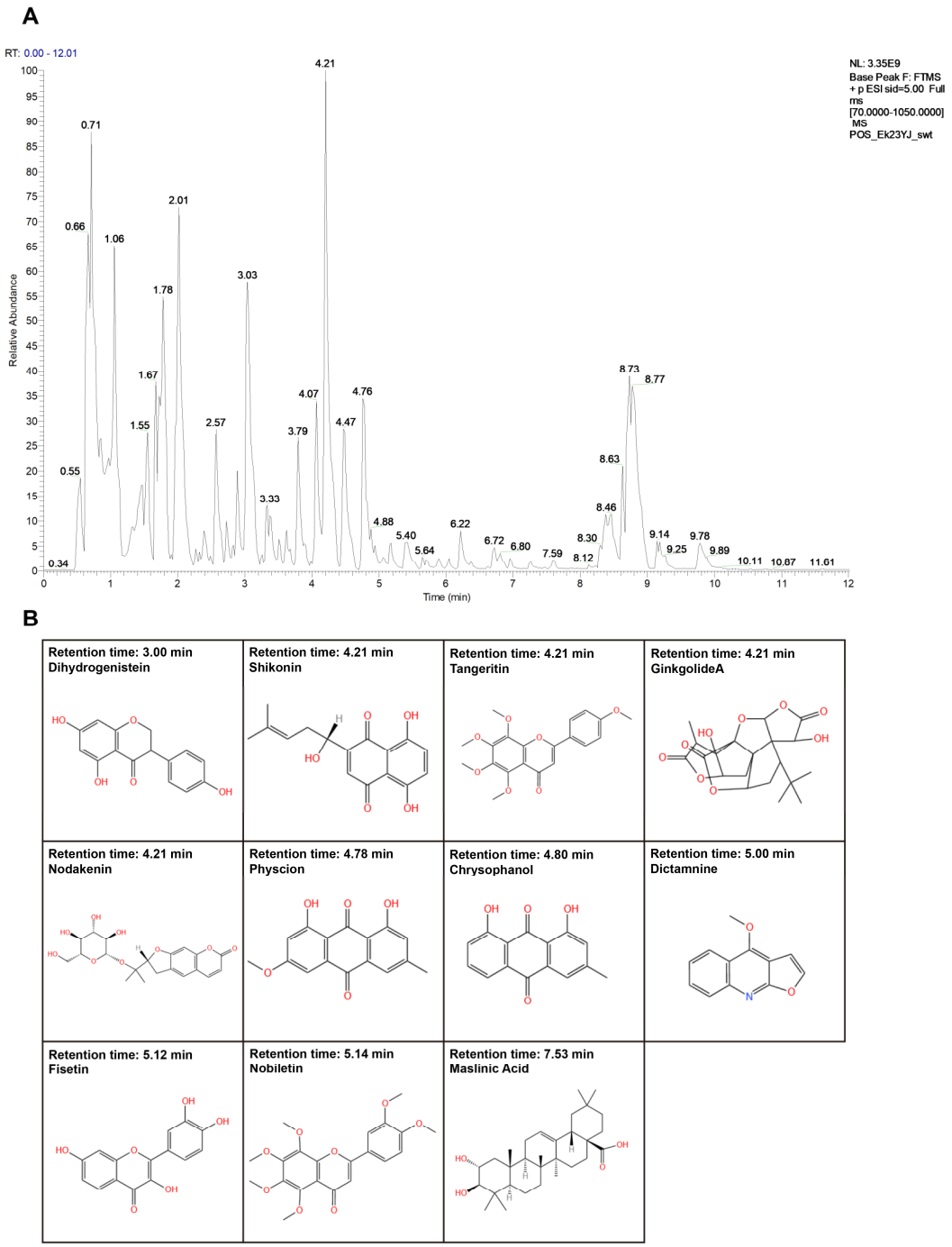

Figure S1. Characterization of CPM by UHPLC QE HF-X MS. (**A**) Total ion chromatogram of CPM. (**B**) Retention times, names and chemical structures of these 11 characterized compounds.

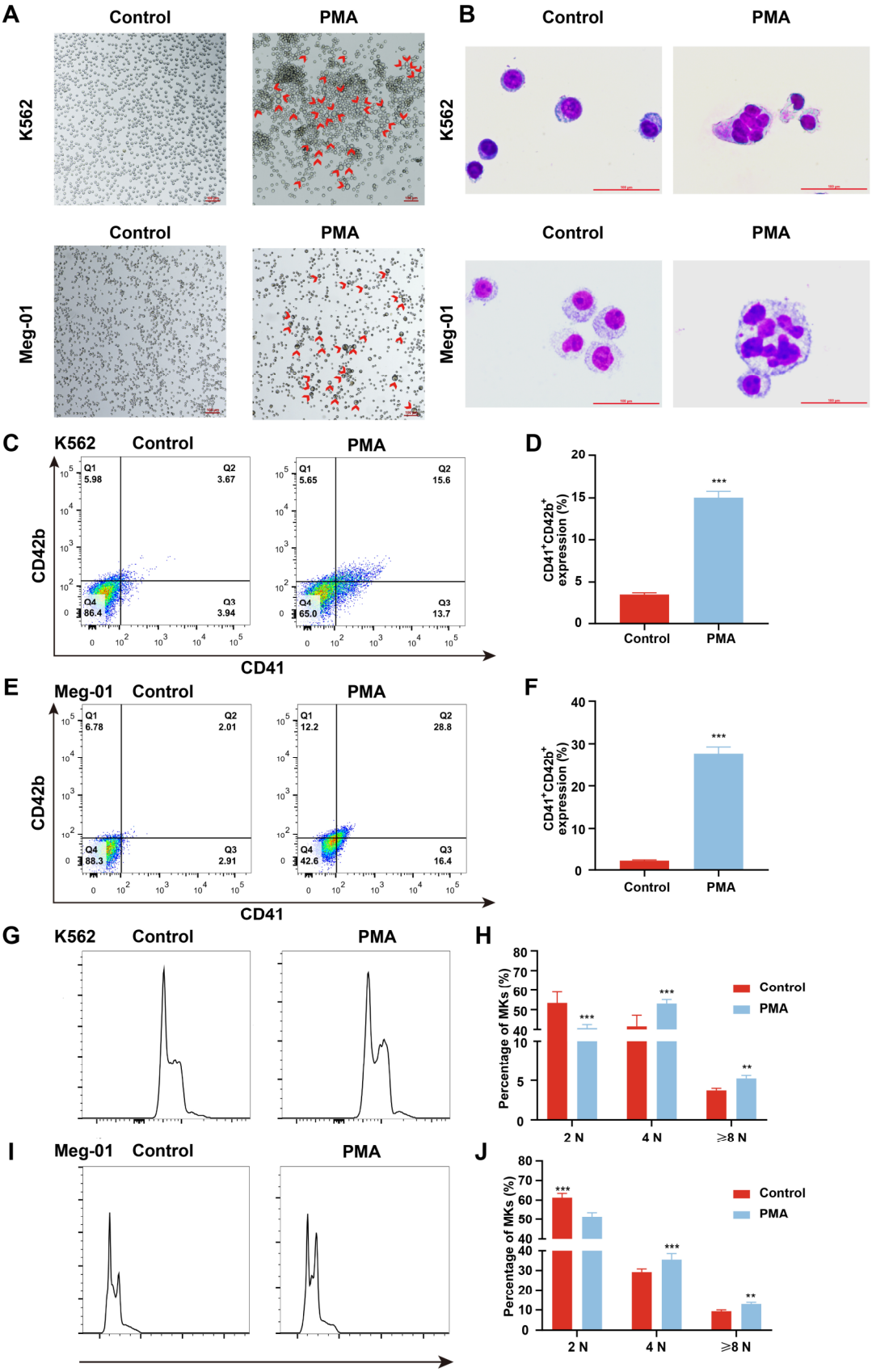

Figure S2. MK differentiation of K562 and Meg-01 cells induced by PMA. (**A**) Microscope photographs of K562 and Meg-01 cells with or without PMA treatment (1 nM) for 5 days were randomly captured at 10× resolution under the inverted light microscope. Scar bar: 100 μm. (**B**)

Giemsa staining of K562 and Meg-01 cells treated with or without PMA (1 nM) for 5 days. Scar bar: 100 μm. (**C**, **E**) CD41 and CD42b expression of K562 and Meg-01 cells with or without PMA (1 nM) treatment for 5 days. (**D**, **F**) The proportion of $CD41^{+}CD42b^{+}$ cells in control and PMA-treated groups. Data are mean ± SD (n=3). (**G**, **I**) DNA ploidy analysis of K562 and Meg-01 cells with or without PMA (1 nM) treatment for 5 days. (**H**, **J**) The percentage of 2N, 4N and $\geqslant$ 8N cells in control and PMA-treated group. Data are mean ± SD (n=3, ANOVA). * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. the control group.