

**Fig. S1.** Distribution and sequence alignment analyses of *OsKO* genes. (A) Contiguously arranged five *OsKO* genes in a 120 kb highly linked region on the sixth chromosome of rice genome. The row marked by red filled circle shows the old nomenclature of *OsKO* genes, and that marked by green filled circle shows the updated name of each *OsKO* gene. (B) Three-dimensional structures of the wild type (left panel) and mutated (right panel) *OsKO1* proteins. The green arrow indicates the mutated site.

