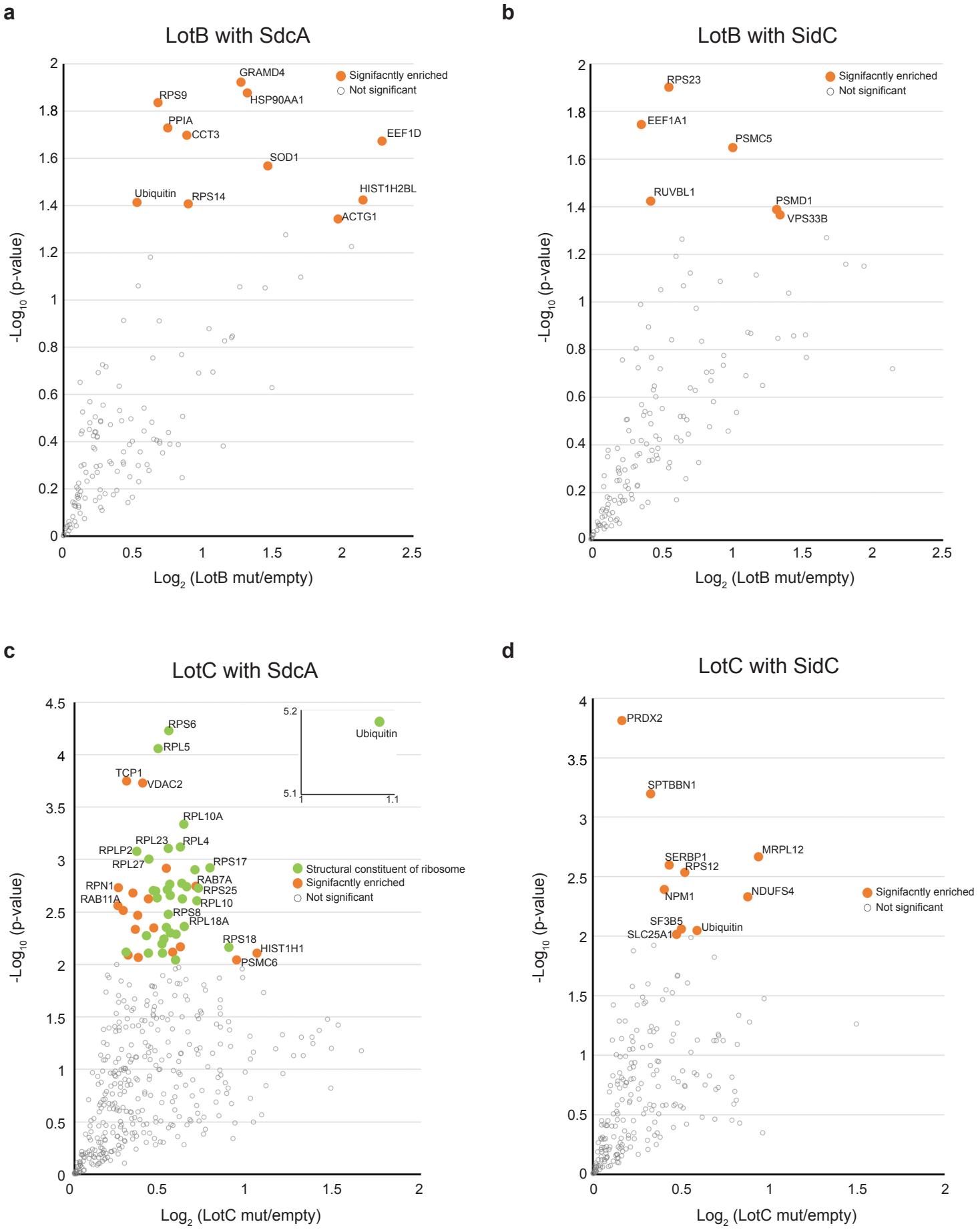Figure5-figure supplement 2