SUPPLEMENTAL DATA

Inhibition of Human Cytochrome P450 3A4 by Cholesterol

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CONTENTS

FIGURE S1. **Lineweaver-Burk plots for cholesterol inhibition in human liver microsomes.** *A*, nifedipine oxidation; *B*, quinidine *S*3-hydroxylation; *C*, quinidine *N*-oxygenation. The lines represent the simultaneous fit to the corresponding models defined in Experimental Procedures at free cholesterol concentrations of 1.5 (●), 6.6 (■), 11.7 (▲), and 16.8 μM (○) (from Fig. 3 of main text). See Table 1 for K_i values.

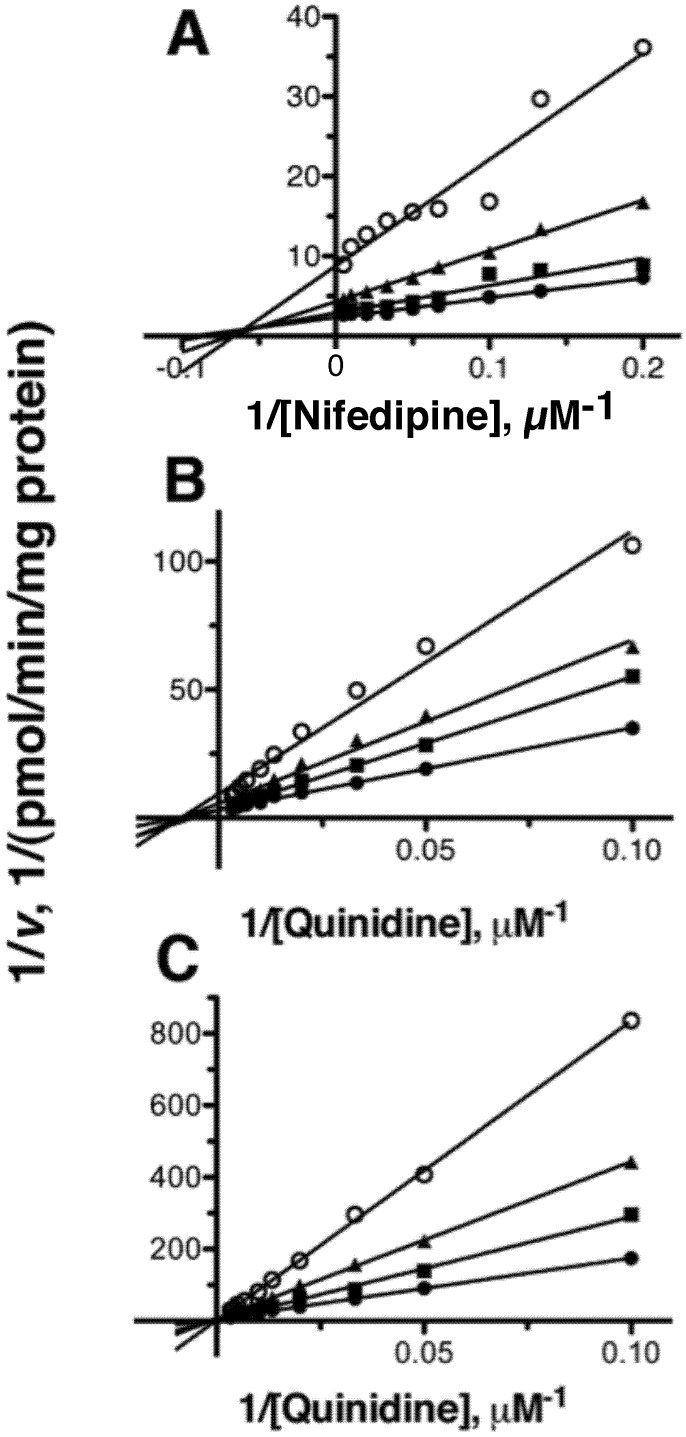

FIGURE S2. **Lineweaver-Burk plots for cholesterol inhibition in a reconstituted recombinant P450 3A4 system.** *A*, nifedipine oxidation; *B*, quinidine *S*3-hydroxylation; *C*, quinidine *N*-oxygenation. The lines represent the simultaneous fit to the corresponding models defined in Experimental Procedures at free cholesterol concentrations of 0 (●), 2.5 (■), 5.1 (▲), 10.2 (○), and 15.3 μM (❑). See Fig. 4 of main text and Table 1 for K_i values.

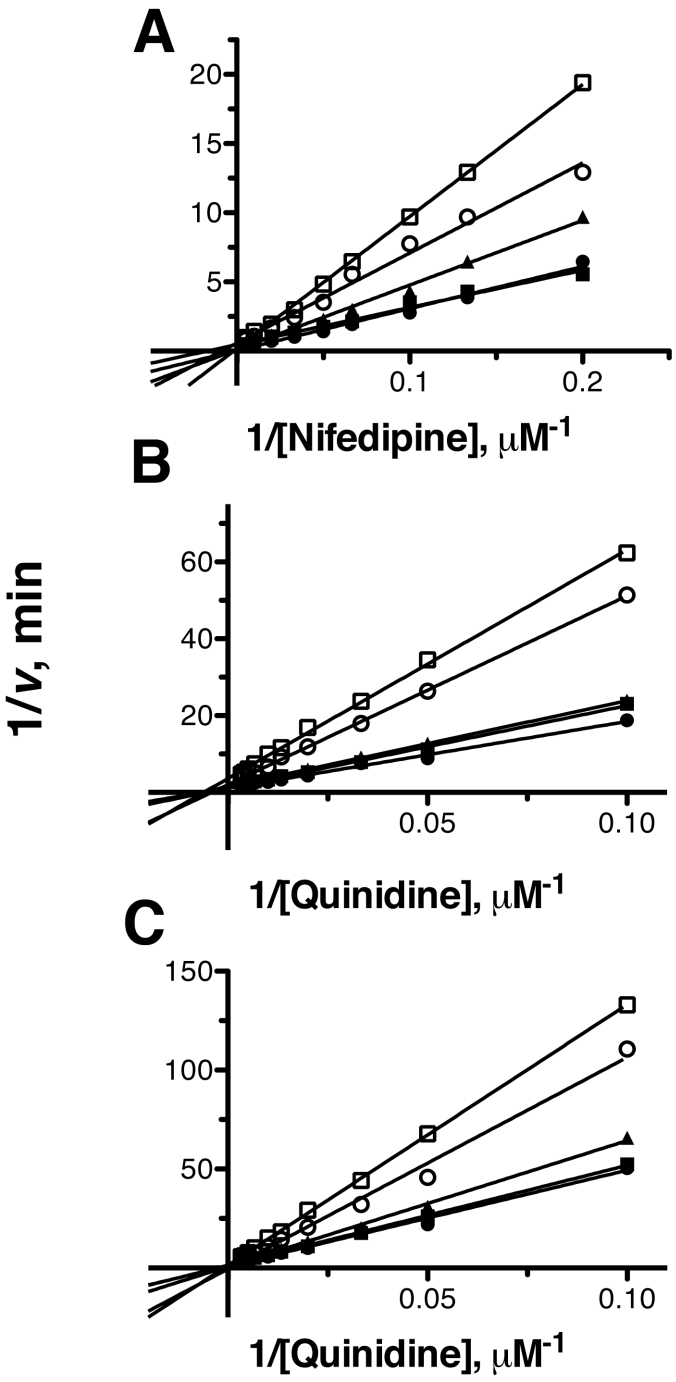

FIGURE S3. **Time course of cholesterol concentration in human hepatocytes.** ●, no treatment; ■, 200 μM cholesterol; ▲, 30 μM pravastatin.

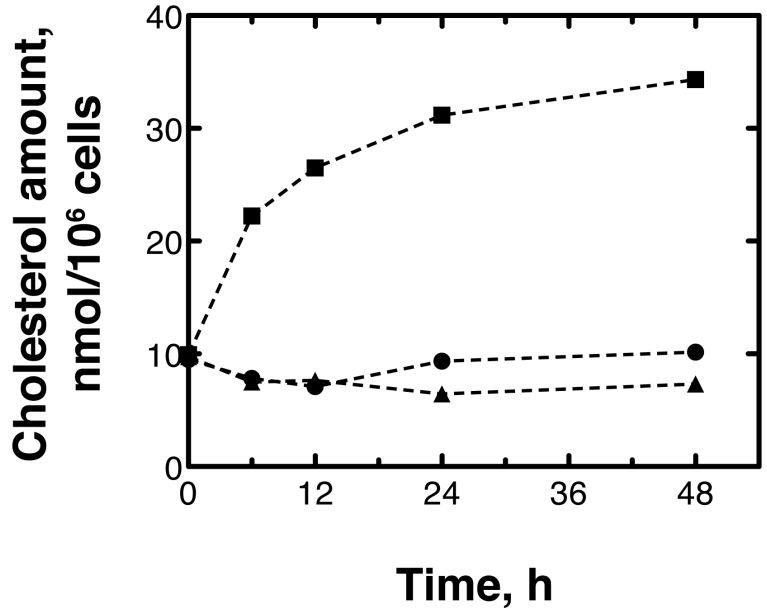

Fig. S3