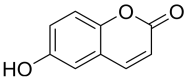
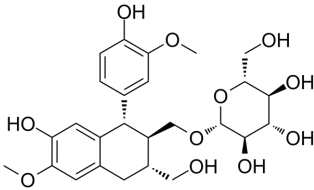
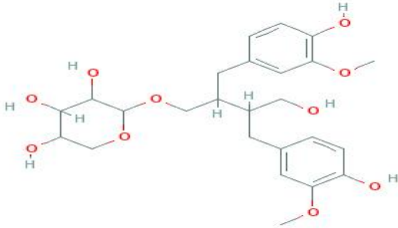
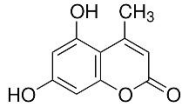
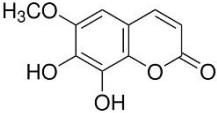
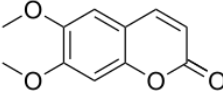
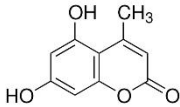
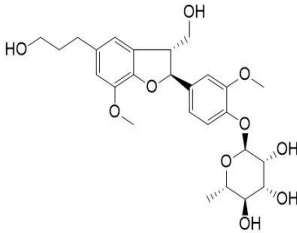
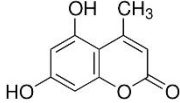
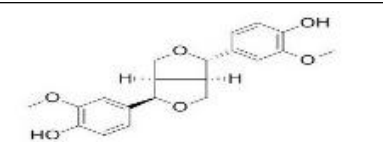
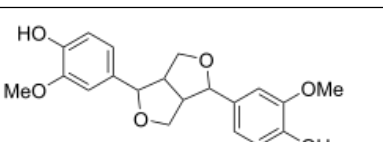
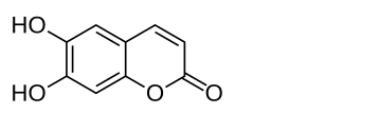
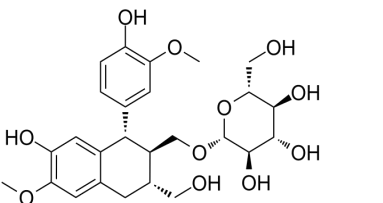
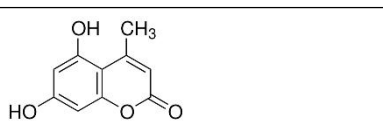
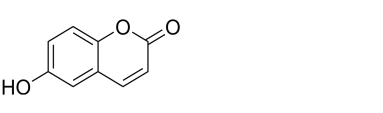
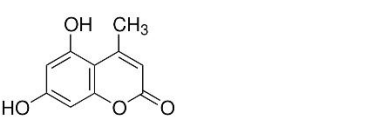
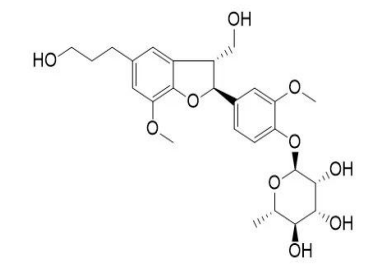
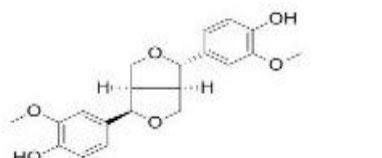
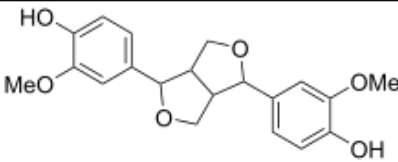
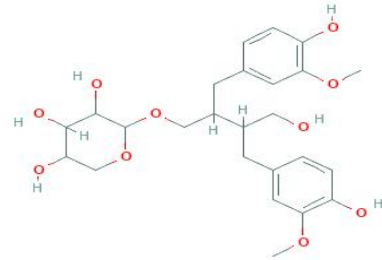


Supplementary Table S6 Differential Lignans and Coumarins Compounds regulated in Green Coffee Beans at different altitudes.

ID	Compounds	Class	Chemical Formula	Chemical Structure
HA1 vs. LA3				
zjgp122320	6-hydroxycoumarin	Lignans and Coumarins	C ₉ H ₆ O ₃	
Lmmn002274	Isolariciresinol-9'-O-glucoside*	Lignans and Coumarins	C ₂₆ H ₃₄ O ₁₁	
HJN054	Secoisolariciresinol-9'-O-xyloside	Lignans and Coumarins	C ₂₅ H ₃₄ O ₁₀	
HA1 vs. MA2				
Waptp03206	7-Hydroxy-8-Methoxychromanon*	Lignans and Coumarins	C ₁₀ H ₈ O ₄	
		Lignans and Coumarins	C ₁₀ H ₈ O ₅	
mws1014	Fraxetin (7,8-Dihydroxy-6-methoxycoumarin)	Lignans and Coumarins	C ₁₁ H ₁₀ O ₄	
mws1076	Scoparone	Lignans and Coumarins	C ₂₅ H ₃₄ O ₁₀	
MWSmce221	7-Dihydroxy-4-methylcoumarin	Lignans and Coumarins	C ₂₆ H ₃₄ O ₁₀	
Yacp008636	Icariside E4	Lignans and Coumarins	C ₁₀ H ₈ O ₄	
Cmpp003619	6,7-Dihydroxy-4-methylcoumarin			

MWSHC20189	Epipinoresinol*	Lignans and Coumarins	C ₂₀ H ₂₂ O ₆	
		Lignans and Coumarins	C ₂₀ H ₂₂ O ₆	
mws0097	Pinoresinol*	Lignans and Coumarins	C ₉ H ₆ O ₄	
mws1013	Esculetin (6,7-Dihydroxycoumarin)	Lignans and Coumarins	C ₂₆ H ₃₄ O ₁₁	
Lmmn002274	Isolariciresinol-9'-O-glucoside*	MA2 vs. LA3		
Waptp03206	7-Hydroxy-8-Methoxychromanon*	Lignans and Coumarins	C ₁₀ H ₈ O ₄	
		Lignans and Coumarins	C ₉ H ₆ O ₃	
zjgp122320	6-hydroxycoumarin	Lignans and Coumarins	C ₁₀ H ₈ O ₄	
MWSmce221	7-Dihydroxy-4-methylcoumarin	Lignans and Coumarins	C ₂₆ H ₃₄ O ₁₀	
Yacp008636	Icariside E4	Lignans and Coumarins	C ₂₀ H ₂₂ O ₆	
MWSHC20189	Epipinoresinol*			

mws0097	Pinoresinol*	Lignans and Coumarins	C ₂₀ H ₂₂ O ₆	
		Lignans and Coumarins	C ₂₅ H ₃₄ O ₁₀	
HJN054	Secoisolariciresinol-9'-O-xyloside			