

A.

		312		320		327												
Hydroxylases	{	LesOH	T	D	T	H	V	A	H	H	L	F	A	T	I	P	H	Y
		CasOH	A	D	T	H	V	A	H	H	L	F	A	T	V	P	H	Y
Desaturases	{	AtFad2	T	D	T	H	V	A	H	H	L	F	S	T	M	P	H	Y
		BnFad2	T	D	T	H	V	A	H	H	L	F	S	T	M	P	H	Y
		SoyFad2	T	D	T	H	V	A	H	H	L	F	S	T	M	P	H	Y
		SoyFad2-1	T	D	T	H	V	A	H	H	L	F	S	T	M	P	H	Y
		MaizeFad2	T	D	T	H	V	A	H	H	L	F	S	T	M	P	H	Y
		CasFad2	T	D	T	Q	V	A	H	H	L	F	-----					
		Consensus	T	D	T	H	V	A	H	H	L	F	S	T	M	P	H	Y

Original alignment (Input)

Original
alignment
(Input)

B.

