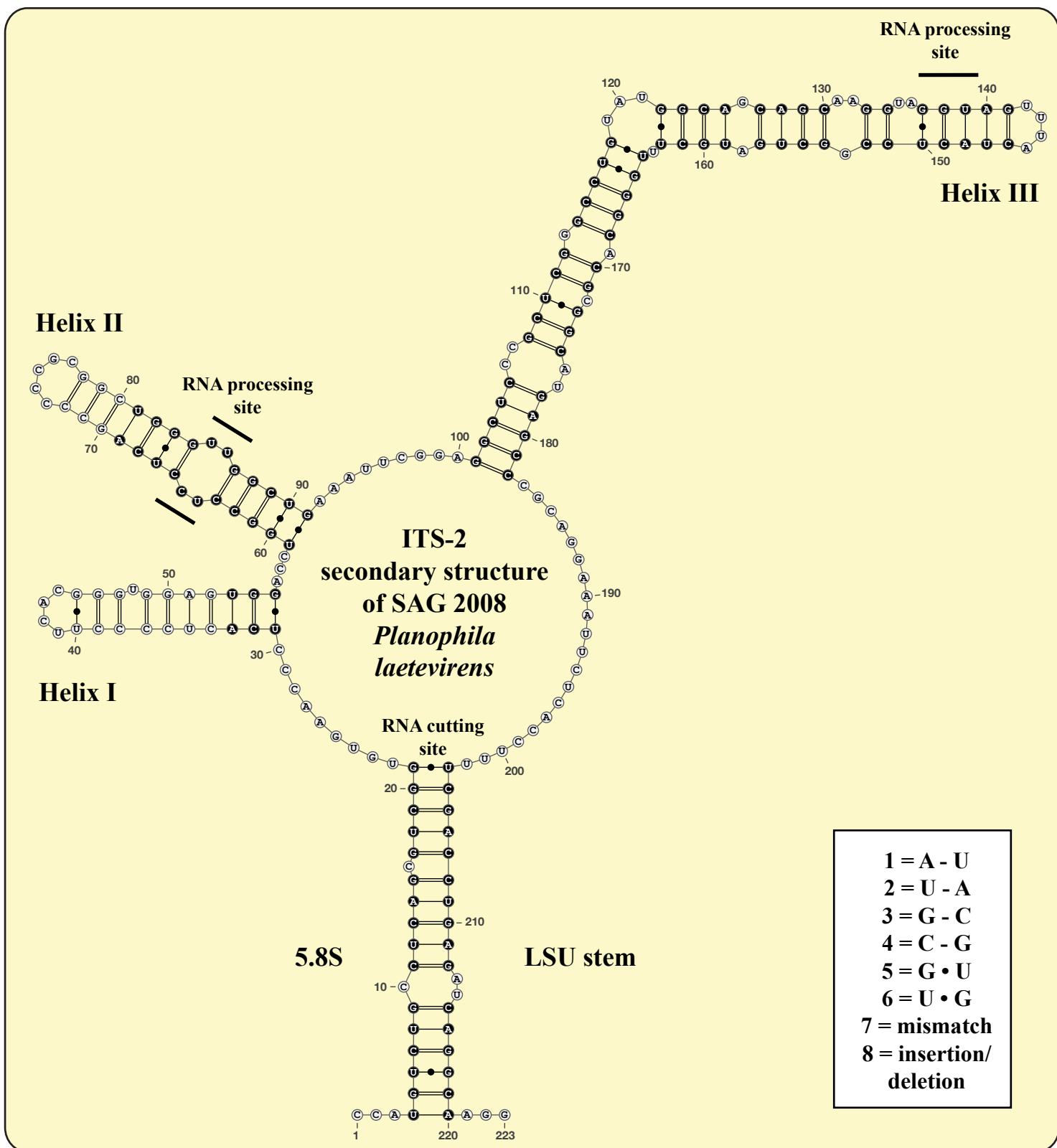


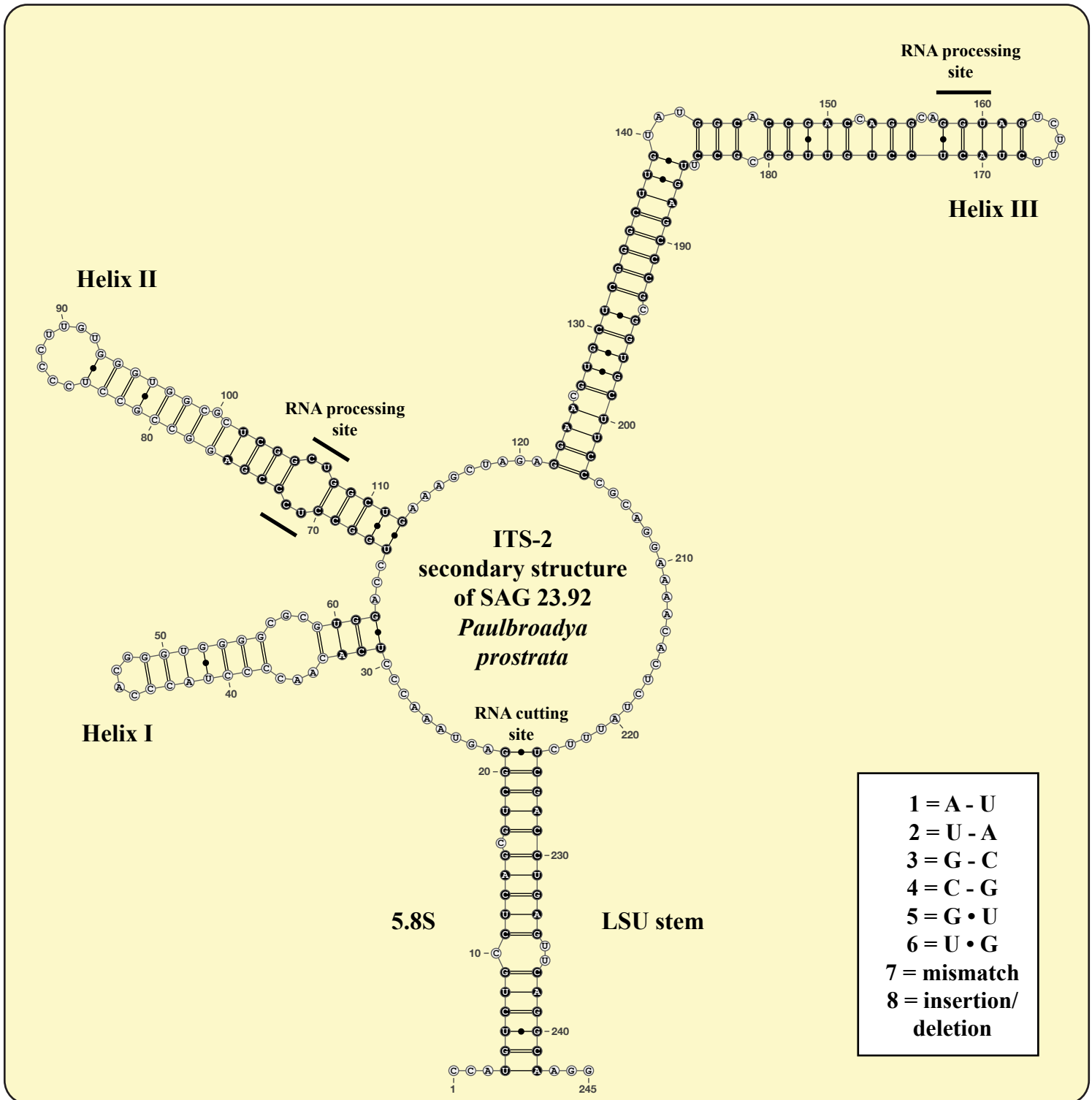
	5.8S / LSU stem	Helix I	Helix II	Helix III		
SAG 2237	2364234241332435	641	65142774431	331431343433446533443341335321388	PSE1	<i>P. submarinum</i>
ULVO-26	2364234241332435	641	65142774431	331431343433446533443341335321388	PSE1	
SAG 467-2	2364234241332235	641	65142774431	331145841433446533443341335321388	PSE2	<i>P. arthopyreniae</i>
CCAP 415/1	2364234241332435	641	65542774431	3316453433446553443342335321342	PSE3	<i>P. incrustans</i>
SAG 2051	2364234241332435	641	65142774431	331434343433446533443341335321388	PSE4	<i>P. commune</i>
ULVO-21	2364234241332435	641	65142774431	331434343433446533443341335321388	PSE4	
SAG 2236	2364234241332435	641	65142774431	331434343433446533443341335321388	PSE4	
ULVO-62	2364234241332435	641	65142774431	331434343433446533443341335321388	PSE4	
CBC	-----*--	---	-----	-----*-----*-----*-----		
HCBC	-----	---	*-----	-----*-----*-----		
I/D	-----	---	-----	-----*-----		



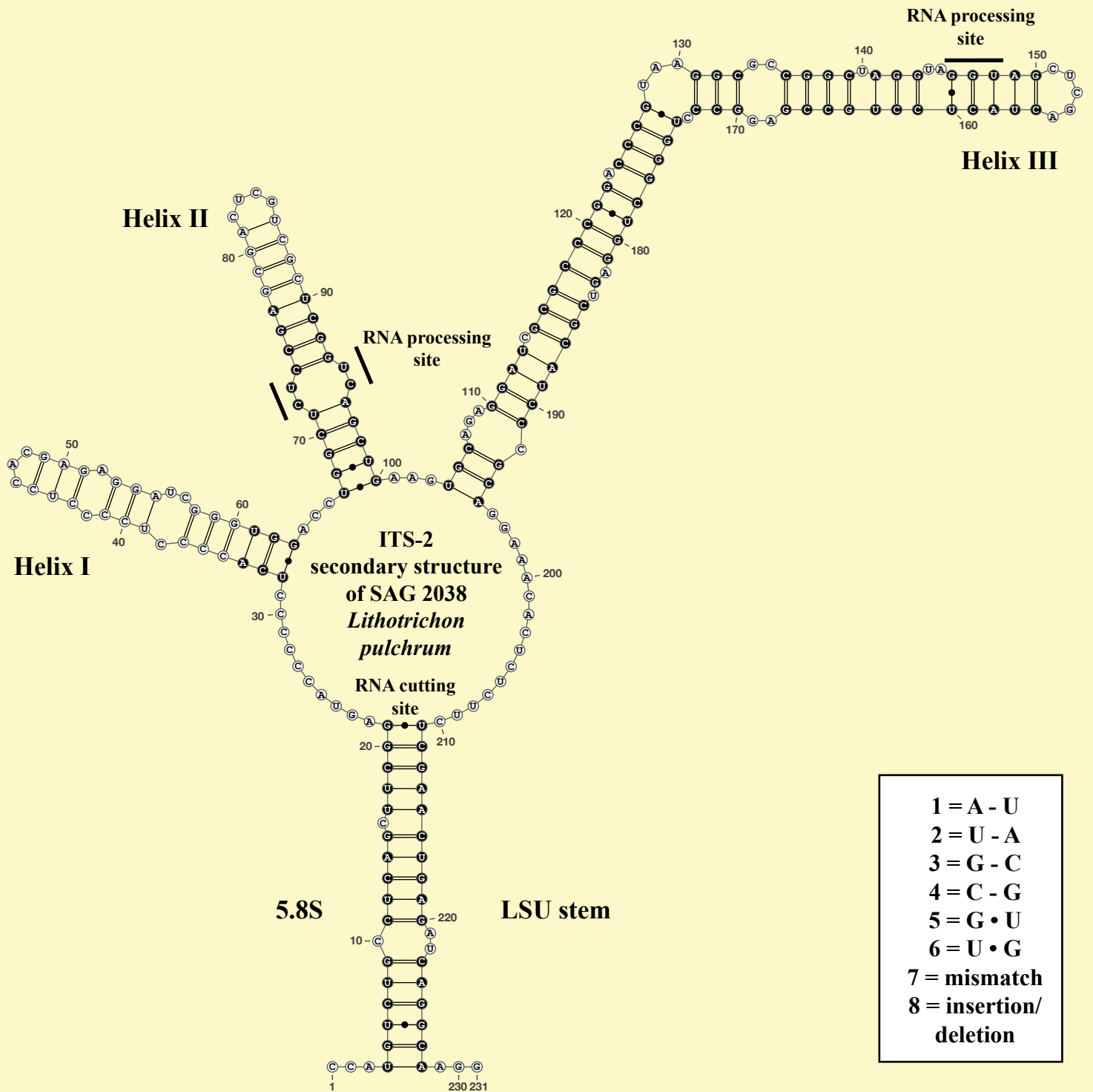
	5.8S / LSU stem	Helix I	Helix II	Helix III	
SAG 2008	2364234241332435	641	653447746413	334243464334465534141343353213	PLA1a
SAG 465-1	2364234241332435	641	653447746413	334243464334465534141343353213	PLA1a
ULVO-56	2364234241332435	641	653447746413	334243464334465534141343353213	PLA1a
SAG 32.98	2364234241332435	641	653447746413	334243464334465534141343353213	PLA1a
GSM-5A-LK1	2364234241332435	641	653447746413	334243424334465534141343353213	PLA1b
ULVO-55	2364234241332435	641	653447746413	332661384384465534141343353213	PLA2a
ULVO-1	2364234241332435	641	653447746413	332661584384465534141343353213	PLA2b
CBC	-----	---	-----	---*---*	
HCBC	-----	---	-----	---**---	
I/D	-----	---	-----	-----*-----	

***P. laetevirens***

***P. bipyreoidosa***

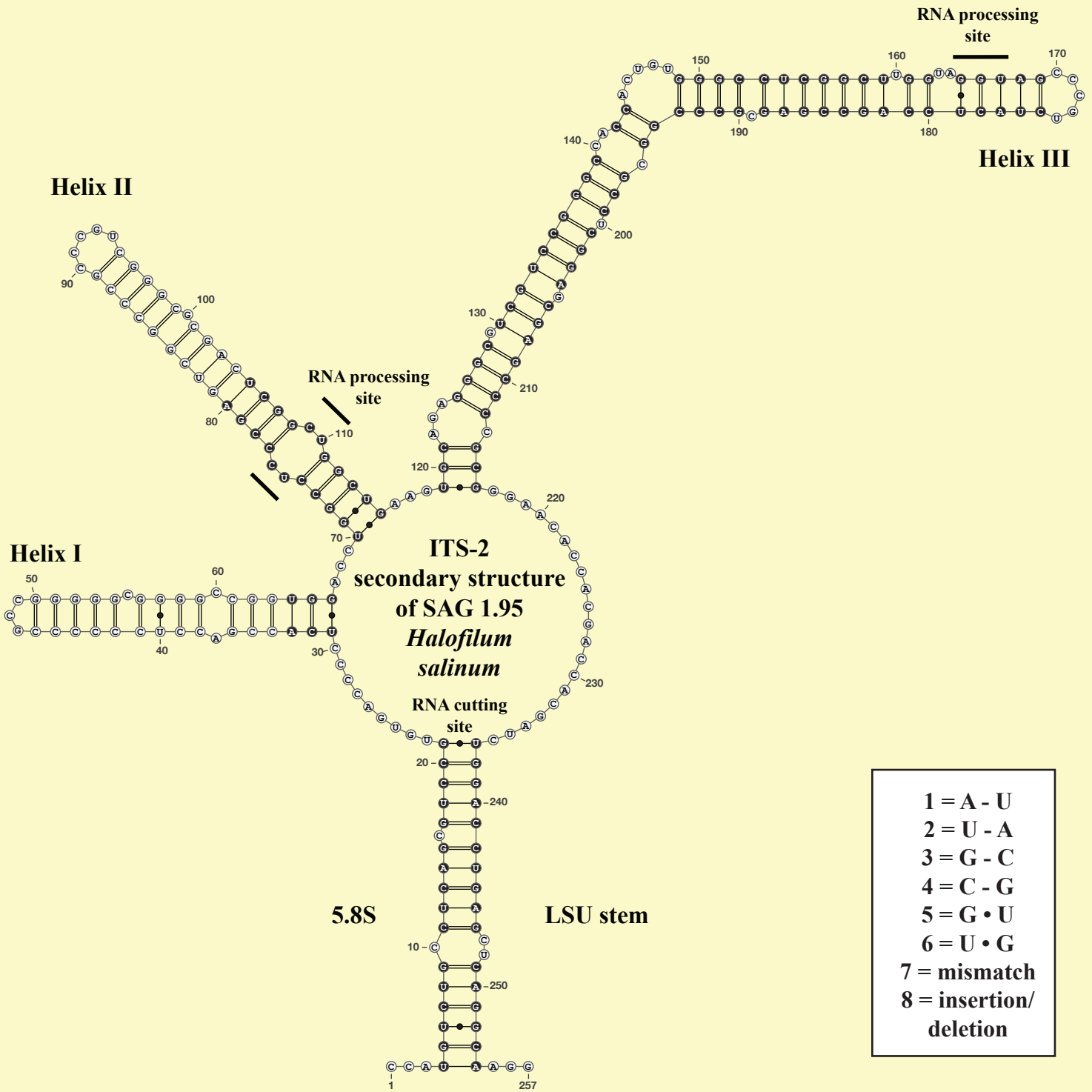


	5.8S / LSU stem	Helix I	Helix II	Helix III		
SAG 23.92	2364234241332435	641	65344774431	331136546433342653344451413353213	PAU1	<i>P. prostrata</i>
CCAP 415/4	2364234241332435	641	65344774431	331136546433342653344451413353213	PAU1	
SAG 2240	2364234241332435	641	65344774431	331136546433542653344451413353213	PAU1	<i>P. petersii</i>
ULVO-34	2364234241332435	641	65344774431	331136546433542653344451413353213	PAU1	

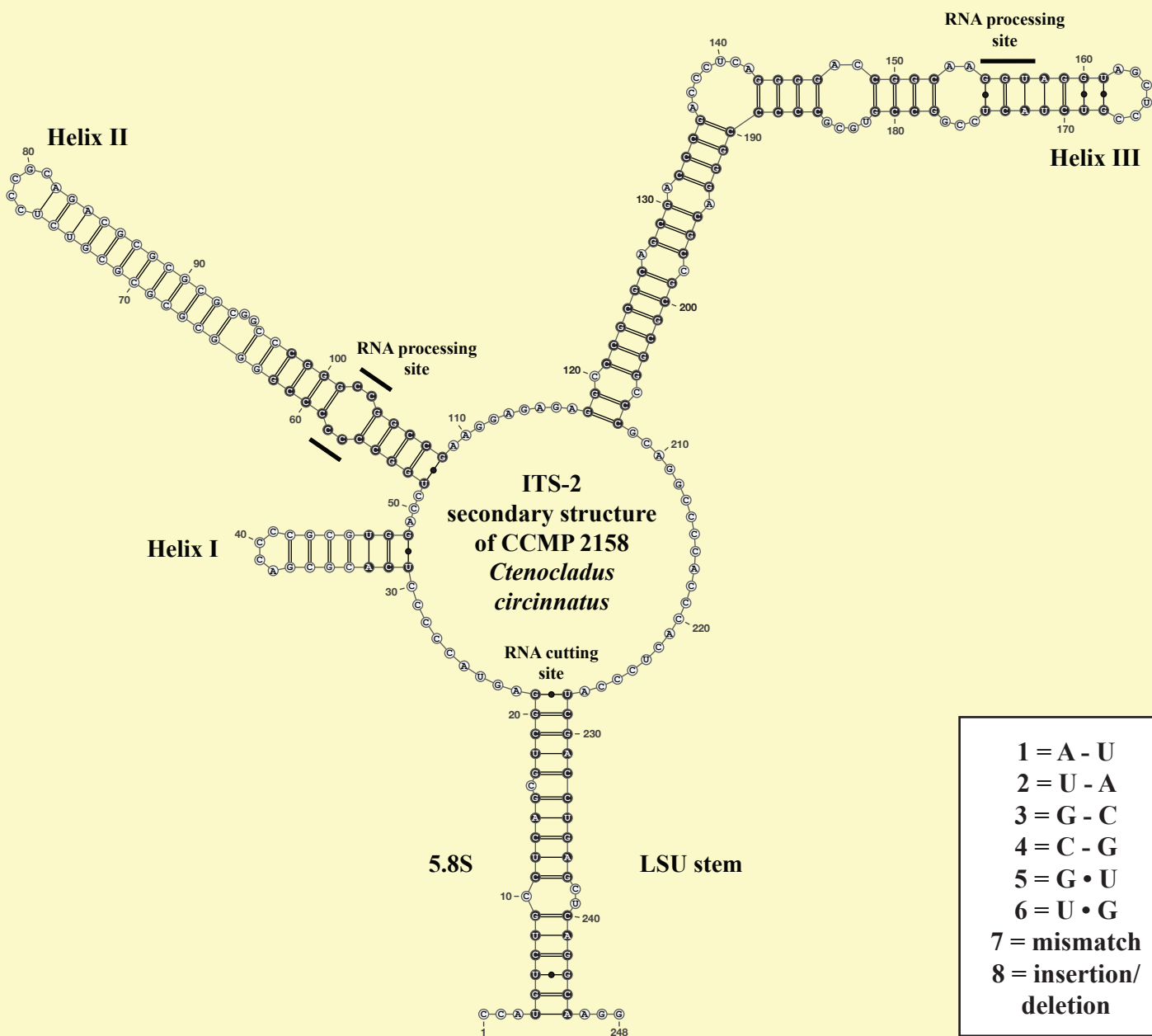


5.8S / LSU stem	Helix I	Helix II	Helix III
-----------------	---------	----------	-----------

SAG 2038    2364234241322435 641 65342774431 2343312343444534445334433413353213 LIT1    *L. pulchrum*



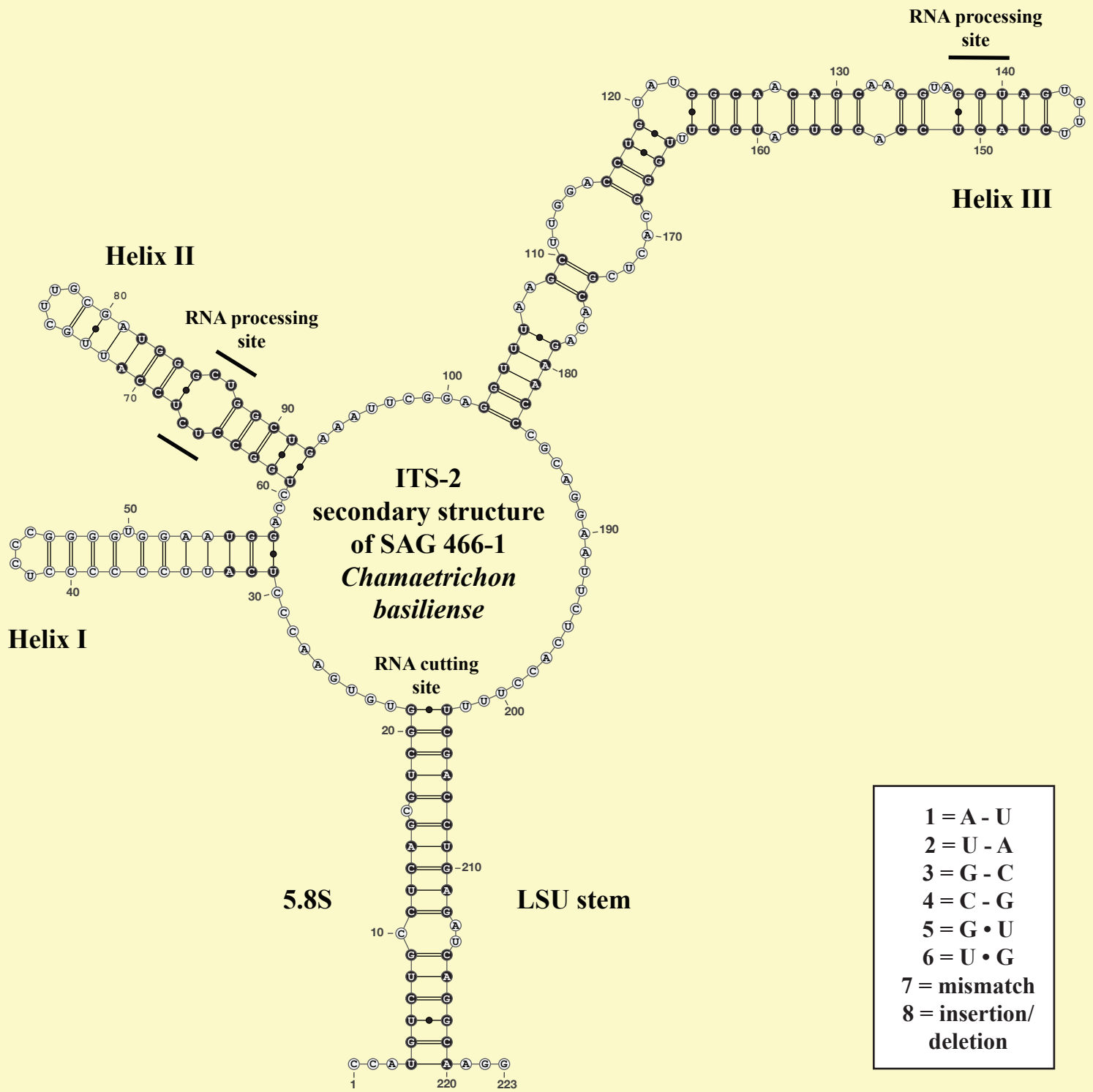
	5.8S / LSU stem	Helix I	Helix II	Helix III		
SAG 1.95	2364234241332445	641	65344774431	6343334243244333444333442433423353213	HAL1	<i>H. salinum</i>
SAG 2.95	2364234241332445	641	65344774431	6343334243444333444333442453623353213	HAL2	<i>H. helgolandicum</i>
SAG 2050	2364234241332445	641	65344774431	2343334243444333444333442433623353213	HAL3a	<i>H. ramosum</i>
SAG 2235	2364234241332445	641	65344774431	2343334243444333444333442433623353213	HAL3a	
ULVO-19	2364234241332445	641	65344774431	2343334243444333444333442433623353213	HAL3a	
ULVO-28	2364234241332445	641	65344774431	2343334845444333448333442433623353213	HAL3b	
CBC	-----	---	-----**-----*	-----		
HCBC	-----	---	*-----*-----*-----*	-----		
I/D	-----	---	-----*-----*	-----		



	5.8S / LSU stem	Helix I	Helix II	Helix III	
CCMP 2158	2364234241332435	641	63344774443	33443434343844433333483345321356	CTE1
ULVO-16	2364234241332435	641	63344774443	33443434343844433333483345321356	CTE1
ULVO-17	2364234241332435	641	63344774443	33443434343844433333483345321356	CTE1
ULVO-18	2364234241332435	641	63344774443	33443434343844433333483345321356	CTE1
ULVO-24	2364234241332435	641	63344774443	33443434343844433333483345321356	CTE1
ULVO-25	2364234241332435	641	63344774443	33443434343844433333483345321356	CTE1
SAG 467-1	2364234241332435	643	65344774443	33483434343344433334443345321356	CTE2
CBC	-----	--*	-----	-----*	
HCBC	-----	---	-*	-----	
I/D	-----	---	-----*	-----*	-----*

***C. circinnatus***

***C. printzii***

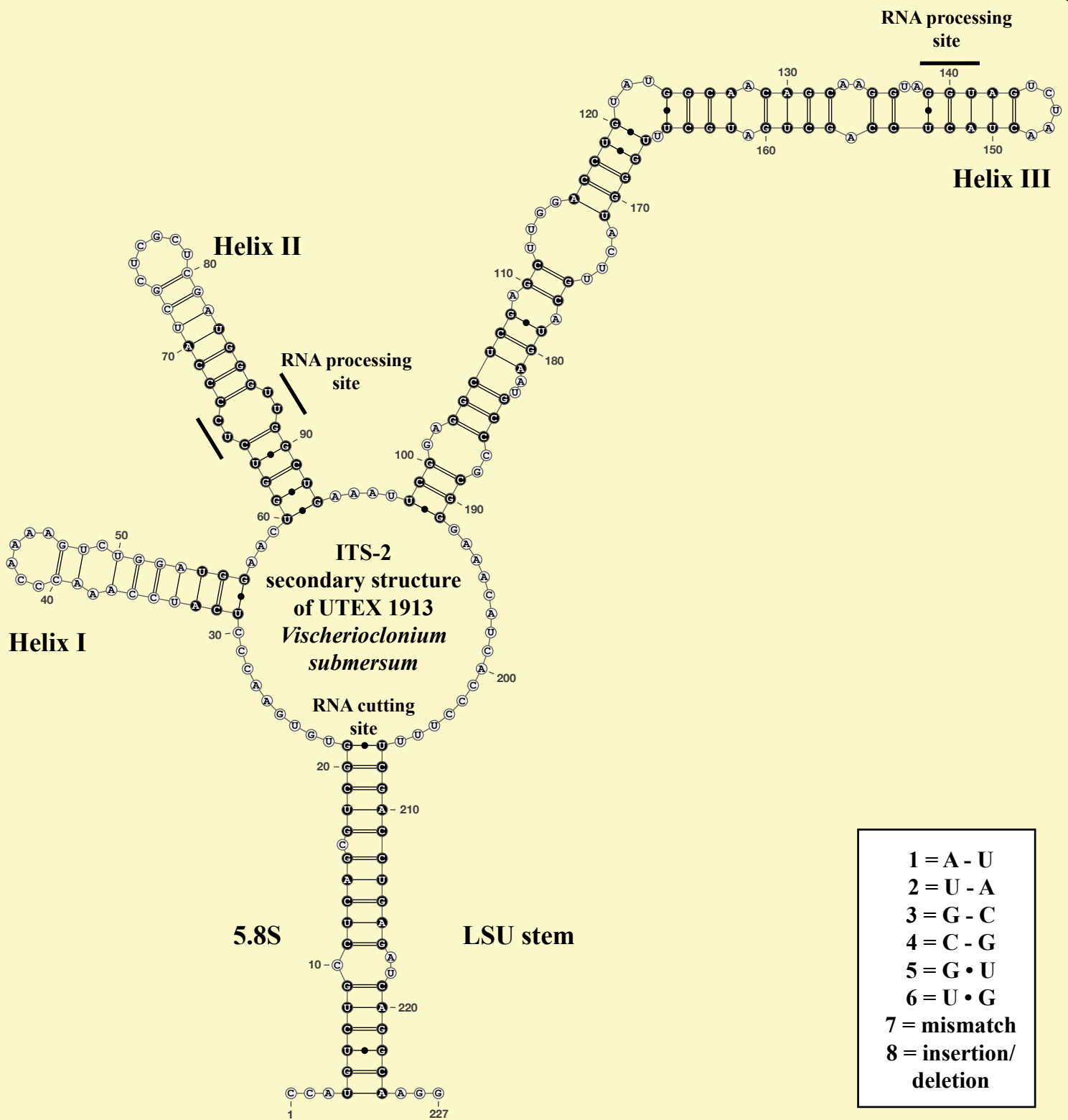


5.8S / LSU stem	Helix I	Helix II	Helix III	
-----------------	---------	----------	-----------	--

SAG 466/1	2364234241332435	641	65344776441	33226344465534141343353213	CHA1a
UTEX 1918	2364234241332435	641	65344774441	33226344465534141343353213	CHA1b
SAG 1.87	2364234241332435	641	65344774441	33226344465534141343353213	CHA1b
CCALA 986	2364234241332435	641	65344774441	33226344465534141343353213	CHA1b
SAG 2396	2364234241332435	641	65344774441	33226344465534141343353213	CHA1b
SAG 18.88	2364234241332435	641	65344774441	33266344465534141343353213	CHA1c
SAG 23.88	2364234241332435	641	65344774441	33266344465534141343353213	CHA1c
ULVO-15	2364234241332435	641	65344774441	33266344465534141343353213	CHA1c

***C. basiliense***

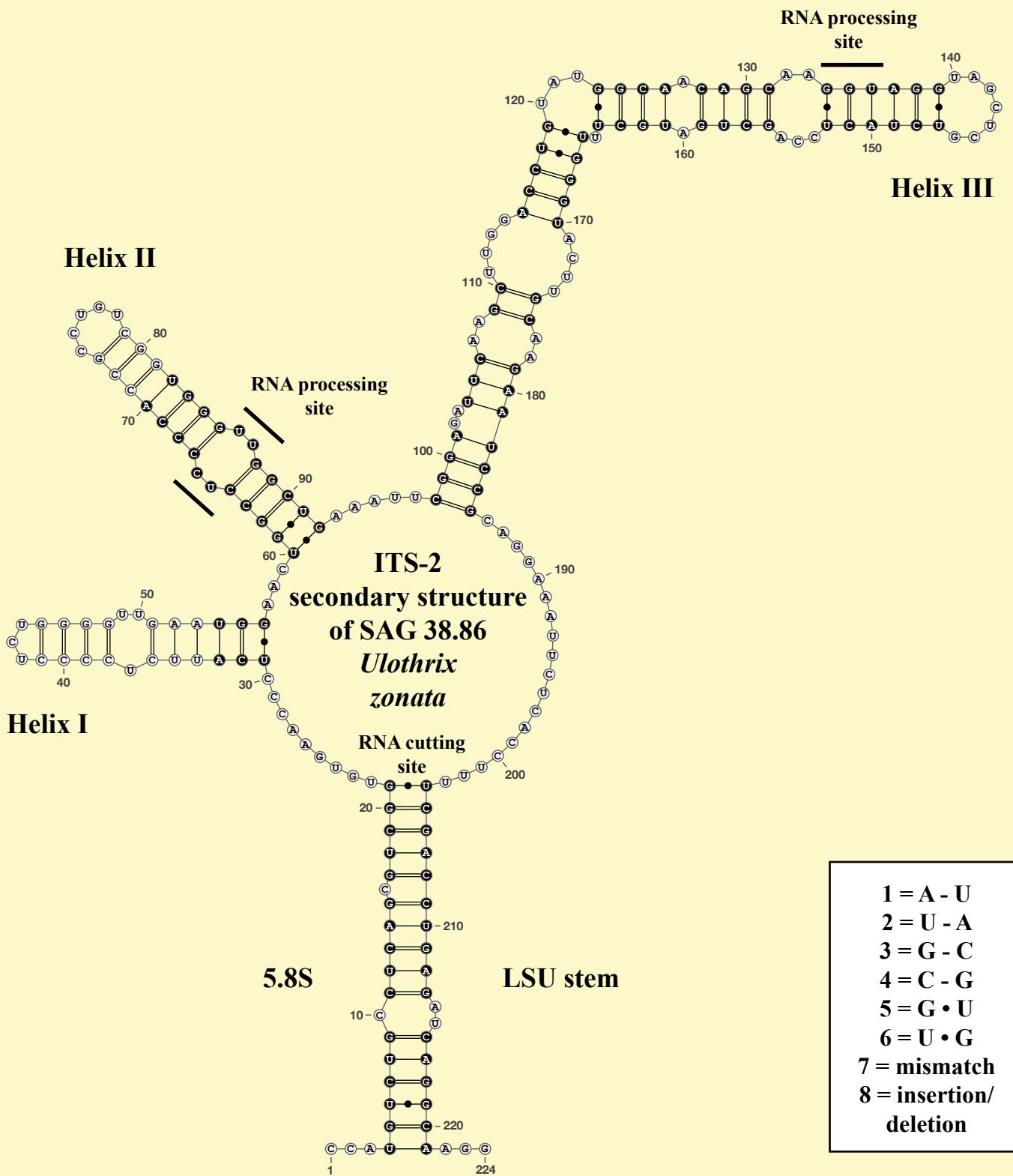
CBC	-----	---	-----	-----	
HCBC	-----	---	-----*	-----*	
I/D	-----	---	-----	-----	



5.8S / LSU stem	Helix I	Helix II	Helix III
-----------------	---------	----------	-----------

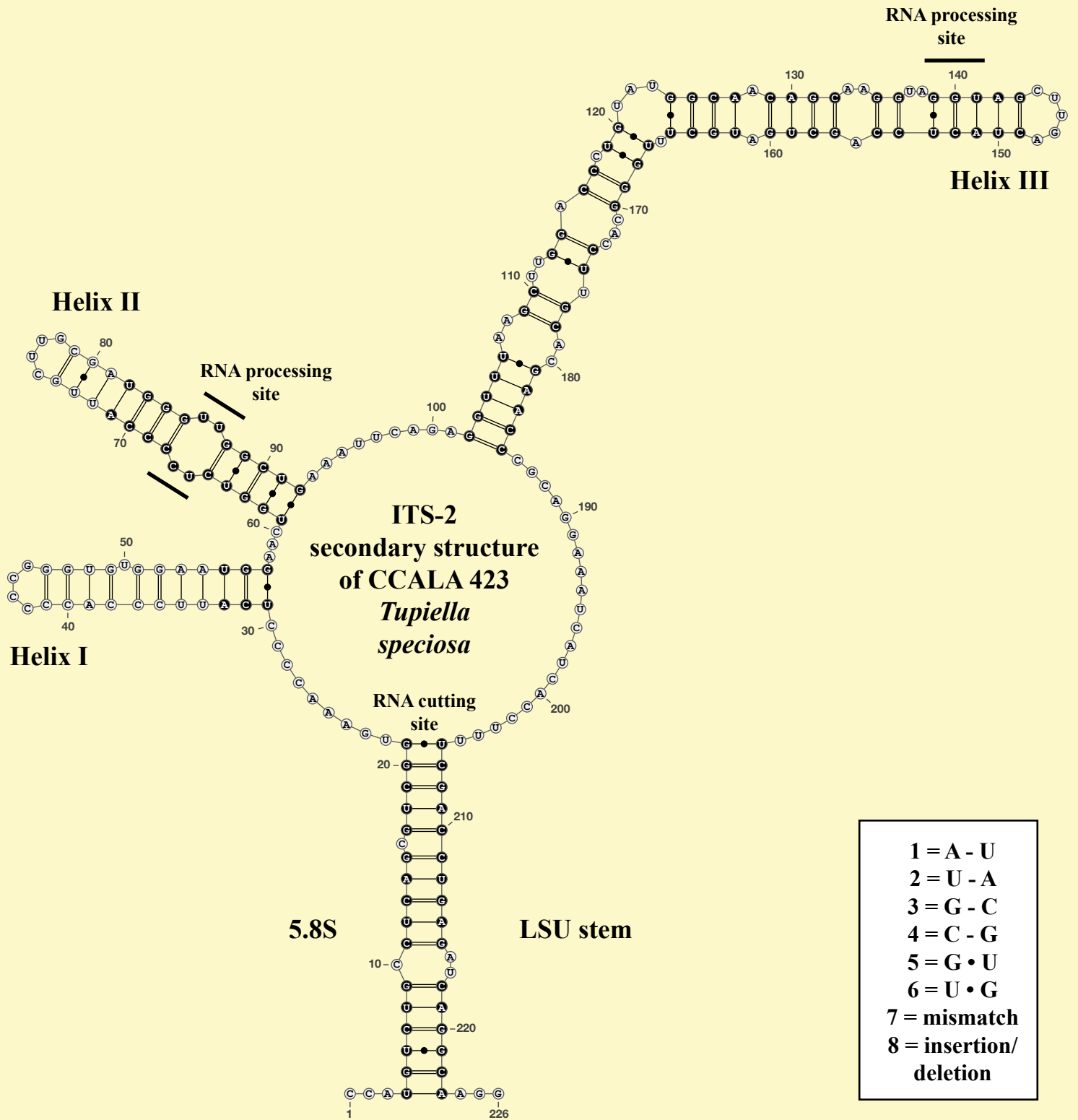
UTEX 1913	2364234241332435	641	65364774441	6433342453414465534141343353213	VIS1	<b><i>V. submersum</i></b>
-----------	------------------	-----	-------------	---------------------------------	------	----------------------------





5.8S / LSU stem	Helix I	Helix II	Helix III
-----------------	---------	----------	-----------

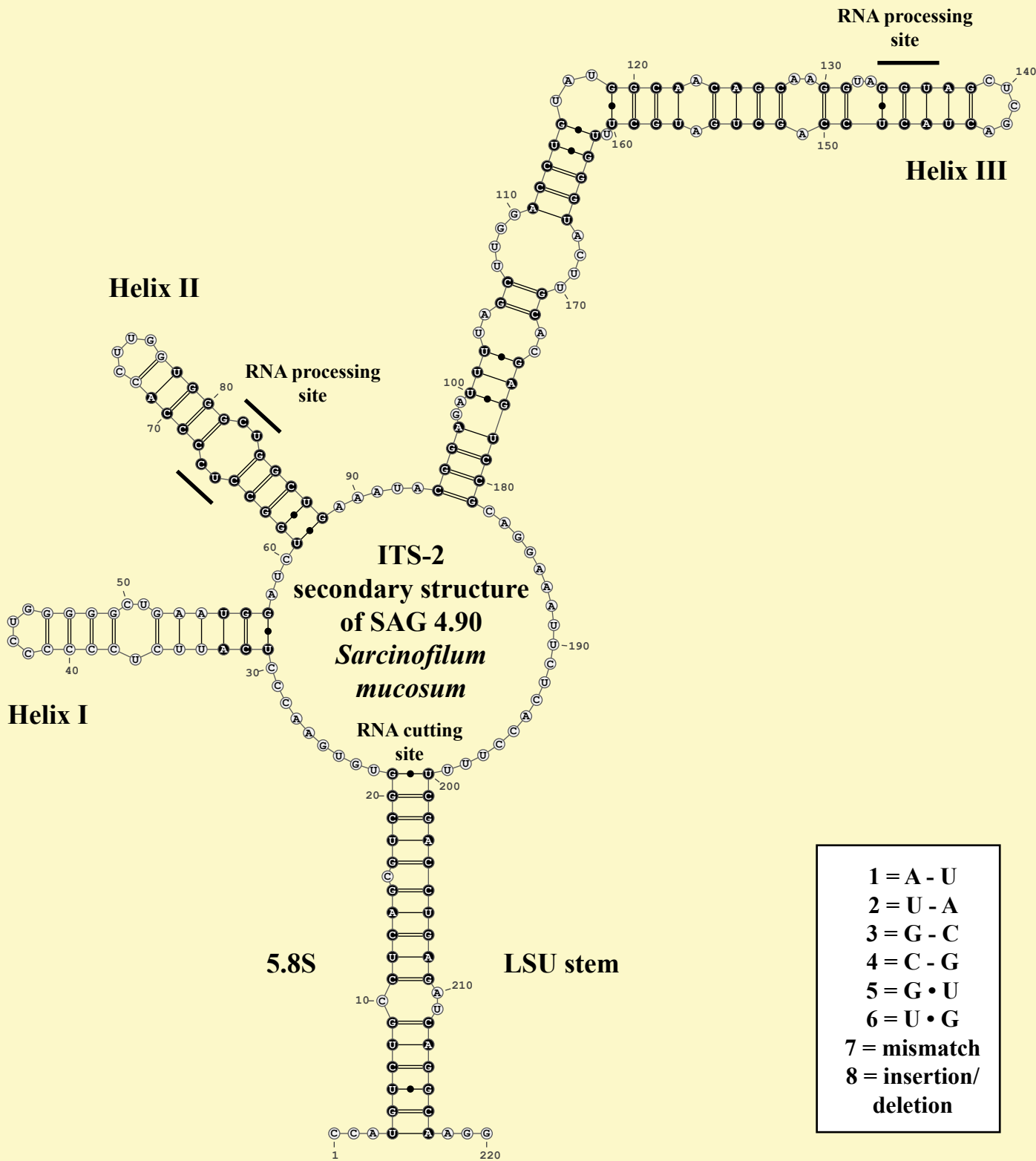
SAG 38.86    2364234241332435    641 65344774441 4331224341446553414134532135    ULO1    *U. zonata*



5.8S / LSU stem	Helix I	Helix II	Helix III
-----------------	---------	----------	-----------

CCALA 423	2364234241332435	641	65364774441	3322634534465534141343353213	TUP1
ULVO-11	2364234241332435	641	65364774441	3322634534465534141343353213	TUP1

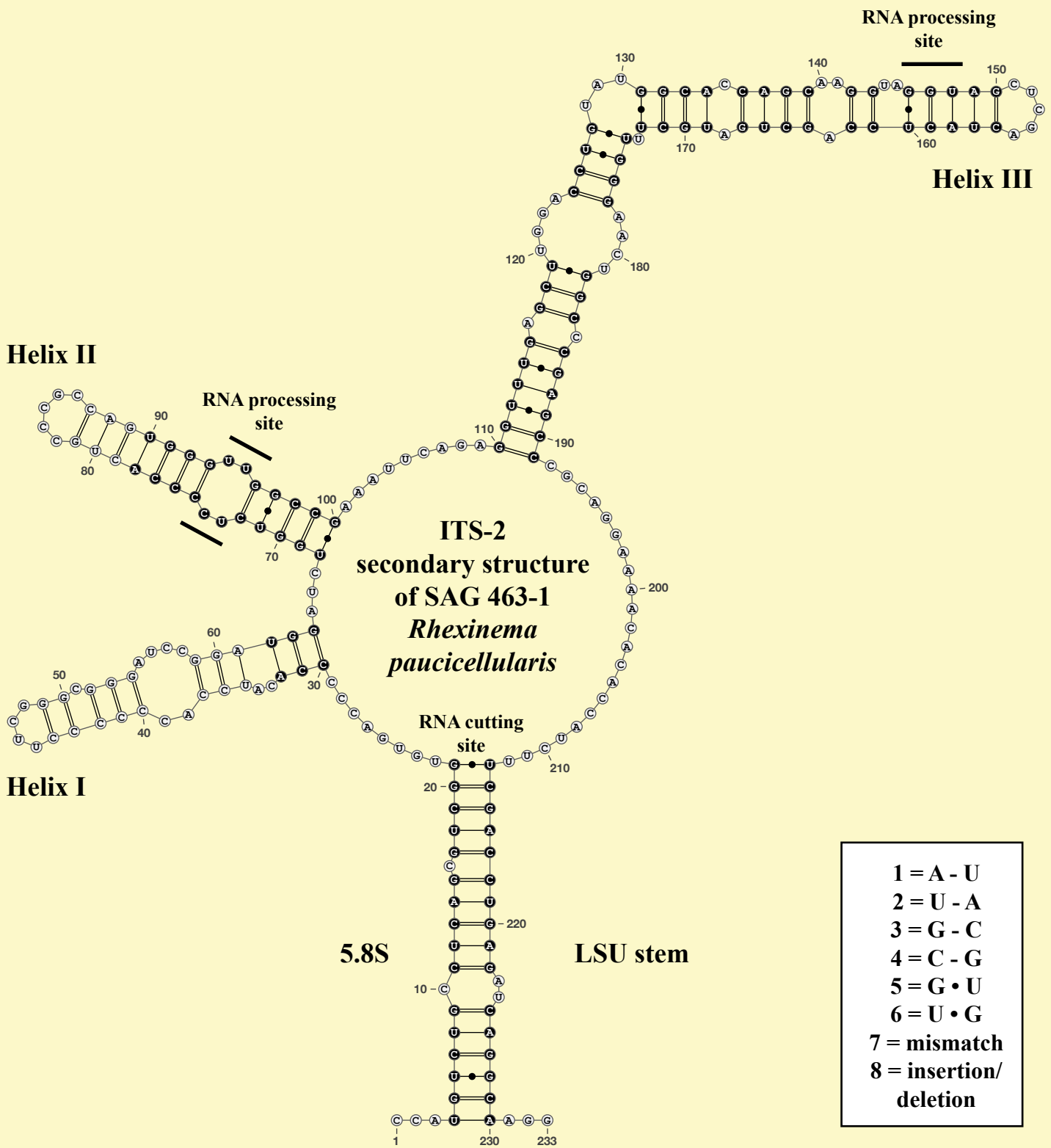
*T. speciosa*



	5.8S / LSU stem	Helix I	Helix II	Helix III	
SAG 4.90	2364234241332435	641	65344774441	43316263414465534141343353213	SAR1a
SAG 24.93	2364234241332435	641	65344774441	43316243414465534141343353213	SAR1b
SAG 29.94	2364234241332435	641	65344774441	43316243414465534141343353213	SAR1b
SAG 26.94	2364234241332435	641	65344774441	43316243414465534141343353213	SAR1b
SAG 26.88	2364234241332435	641	65344774441	43316243414465534141343353213	SAR1b

***S. mucosum***

CBC	-----	---	-----	-----
HCBC	-----	---	-----	-----*
I/D	-----	---	-----	-----



	5.8S / LSU stem	Helix I	Helix II	Helix III	
SAG 463-1	2364234241332435	441	63364774441	3362633464465534141343353213	RHE1
SAG 29.93	2364234241332435	441	63364774441	3362633464465534141343353213	RHE1
SAG 466-2	2364234241332435	441	63364774441	3362633464465534141343353213	RHE1
SAG 8.90	2364234241332435	441	63364774441	3362633464465534141343353213	RHE1
UTEX 1710	2364234241332435	441	63364774441	3316434614465534141343353213	RHE2
UTEX 1570	2364234241332435	441	63364774441	3362638344465534141343353213	RHE3
ULVO-10	2364234241332435	441	63344774441	3362638464465534141343353213	RHE4
ACOI 592	2364234241332435	444	63364774441	3362634614465534141343353213	RHE5
CBC	-----	---*	---	---*---***	-----
HCBC	-----	---	---*	---**---	-----
I/D	-----	---	---	-----*	-----

*R. paucicellularis*

*R. sarcinoidea*

*R. planctonica*

*R. edaphica*

*R. sancta-tomea*