## **Highlighting Alignment**

To apply an alignment highlighting mode, select it in the Highlighting context menu:

т	A	A	T C G A G C C G A A T T A	G	G	т	С	А	А	С	С	Α	G	G	Α	т	А
т	A		Go to position Ctrl+G		G	т	С	А	А	С	С	т	G	G	т	т	А
т	A		Add	•	G	т	С	А	А	С	С	Α	G	G	С	т	А
т	A		Сору		G	т	С	А	А	С	С	Α	G	G	т	т	А
т	A		Colors		G	С	С	А	А	С	С	Α	G	G	т	т	А
т	A	-			lc.	т	C	Λ	۸	C	C	т	C	Ģ.	А	т	А
т	A		Highlighting				No	hig	hli	ght	ing			ţ	А	т	А
т	A		Edit	•			Agı	eer	ner	nts				5	с	т	А
т	A		Align	•			Disi	agre	een	nen	nts			5	с	т	А
т	A		Tree	•			Gap	os						ţ,	G	т	А
т	A		Statistics	٠I	~	1	Cor	nsei	rva	tior	n le	vel		5	G	т	А
т	A		View	·			Trai	nsit	ion	IS				5	G	т	А
т	A		Export	•			Tra	nsv	ersi	ion	5			5	G	т	А
т	A		Advanced						-		-			\$	т	т	А
т	A		, areneed				Use	do	ts					\$	т	т	А
т	Α		Set this sequence as reference		G	A	С	А	А	С	С	Т	G	G	т	т	А
т	т		Consensus mode		G	А	С	А	А	С	С	Α	G	G	А	т	С
т	А			~	G	A	С	А	А	С	С	С	G	G	С	т	G

or on the Highlighting tab of the Options Panel:

Highlighting	
Reference sequence     Select and add	
	۲
▼ Color	-
UGENE	
▼ Highlighting	9
Conservation level	-
Threshold: 50%	800 II
· · · · · · · · · · · · · · · · · · ·	1
Highlight characters with conservation level:	
⊘ ≤ threshold	
Use dots	
Export	

The following modes are available:

- Agreements highlights symbols that coincide with the reference sequence.
  Disagreements highlights nucleotides that differ from the reference sequence.
- Gaps - highlights gaps.
- ٠ Conservation level - highlights conservation level of symbols in a multiple alignment >= or <= treshhold. To select the conservation parameters use the Highlighting Options Panel tab.
- · Transitions highlights transitions.
- Transversions highlights transversions.

To use dots instead of symbols which are not highlighted check the Use dots checkbox in the Options Panel or use the Highlighting->Use dots context menu item.

To select a reference sequence use the Set this sequence as reference context menu or Reference sequence field in the Highlighting tab of the Options Panel.

Also you can export highlighting with a help of the Export button in the Options Panel or by the Export->Export highlighted context menu item. The following dialog will appear:

Export Highlighted to File		8 ×
Export to file		
Exported area: from	1 🚔 to	604 🌲
Indexing		
I-based	O-based	
📝 Keep gaps		
Dots instead not highlighted		
Export	Cancel	Help

Select file to export, exported area and click on the Export button. The task report will appear in the Notifications.