

## 7 Anhang

### 7.1 *S.officinalis* mRNA für Saporin-3

5'-atggtcacat catcaatcac attagatcta gtaaataccga ccgcgggtca atactcatct  
tttgtggata aaatccgaaa caacgtaaag gatccaaacc tgaaatacgg tggtagccgac  
atagccgtga taggcccacc ttctaaagaa aaattcctta gaattaattt ccaaagttcc  
cgaggaacgg tctcacttgg cctaaaacgc gataacttgt atgtggtcgc gtatcttgca  
atggataaca cgaatgtaa tcgggcataat tacttcagat cagaaattac ttccgccgag  
tcaaccgccc ttttcccaga ggccacaact gcaaatcaga aagctttaga atacacagaa  
gattatcagt cgattgaaaa gaatgcccag ataacacaag gagatcaaag tagaaaagaa  
ctcggggttg ggattgactt actttcaacg tccatggaag cagtgaacaa gaaggcacgt  
gtggttaaag acgaagctag attccttctt atcgctattc agatgacggc tgaggcagcg  
cgatttaggt acatacaaaa cttggtaatc aagaactttc ccaacaagtt caactcggaa  
aacaaagtga ttcagtttga ggtaactgg aaaaaaattt ctacggcaat atacggggat  
gccaaaaacg gcgtgtttaa taaagattat gatttcgggt ttggaaaagt taggcaggtg  
aaggacttgc aaatgggact ccttatgtat ttgggcaaac caaagtcgtc aaacgaggcg  
tgagaattc-3'

### 7.2 *S.officinalis* Proteinsequenz für Saporin-3

MVTSITLDLVNPTAGQYSSFVVKIRNNVKNLKYGGTDIAVIGPPSKEKFLRINFQSSRGTVSLGLKRD  
NLYVVAYLAMDNNTNVRAYYFKSEITSAESTALFPEATTANQKALEYTEDYQSIEKNAQITQGDQSRKEL  
GLGIDLLLTfMEAVNKKARVVKDEARFLLIAIQMTAEARFRYIQNLVIKNFPNKFNSENKVIQFEVNWK  
KISTAIYGDakngvfnkdydfgfgkvrqkdlqmllmylgkpkqssqea

## 7.3 Adaptersequenzen

### Membrantransfersequenzen

MTS	<u>CAT</u>	<u>ATG</u>	GCA	GCC	GTT	CTT	CTC	CCT	GTT	CTT	CTT	GCC	GCA	CCC	GCG	<u>GGC</u>	<u>CC</u>
	<i>NdeI</i>		Ala	Ala	Val	Leu	Leu	Pro	Val	Leu	Leu	Ala	Ala	Pro			<i>ApaI</i>
TLM	<u>CAT</u>	<u>ATG</u>	CCC	TTA	TCG	TCA	ATC	TTC	TCG	CGC	ATT	GGG	GAC	CCT	GCG	<u>GGC</u>	<u>CC</u>
	<i>NdeI</i>		Pro	Leu	Ser	Ser	Ile	Phe	Ser	Arg	Ile	Gly	Asp	Pro			<i>ApaI</i>

### Spaltbare Sequenzen

CSP	<u>GCT</u>	<u>AGC</u>	TAT	GTT	CAC	GAT	GAA	GTC	GAT	CGT	GGT	CCT	<u>CAT</u>	<u>ATG</u>				
	<i>NheI</i>		Tyr	Val	His	Asp	Glu	Val	Asp	Arg	Gly	Pro		<i>NdeI</i>				
CSP*	<u>GCT</u>	<u>AGC</u>	AAG	GAG	CAT	GAT	GTT	CCC	GAT	GAA	GTC	GAT	CGT	GGT	CCT	<u>CAT</u>	<u>ATG</u>	
	<i>NheI</i>		Lys	Glu	His	Arg	Val	Pro	Asp	Glu	Val	Asp	Arg	Gly	Pro		<i>NdeI</i>	
ESP	<u>G</u>	<u>GGC</u>	<u>CCG</u>	CGT	CAT	CGC	CAG	CCG	CGC	GGC	AAT	CGT	GTC	CGA	CGC	TCA	<u>CCC</u>	<u>GGG</u>
		<i>ApaI</i>		Arg	His	Arg	Gln	Pro	Arg	Gly	Asn	Arg	Val	Arg	Arg	Ser	<i>XmaI</i>	<i>SmaI</i>
ESP*	<u>G</u>	<u>GGC</u>	<u>CCG</u>	CGT	CAT	CGC	CAG	CCG	CGC	GGC	AAT	CGT	GTC	GGT	CGC	TCA	<u>CCC</u>	<u>GGG</u>
		<i>ApaI</i>		Arg	His	Arg	Gln	Pro	Arg	Gly	Asn	Arg	Val	Gly	Arg	Ser	<i>XmaI</i>	<i>SmaI</i>