

A)

Shark AR	PDAPAGGERFGPFYEACRQGA	34
Sturgeon AR	SPNNHFCGTFFENVFHGVRTPFQ	34
<i>Xenopus</i> AR	PPGKMIRGAFENLFLSVREALQ	35
Chicken AR	PPGRTFRGVFQTFQSVCEAFQ	35
Mouse AR	PPSKTYRGAFQNLFSVREAIQ	35
Human AR	PPSKTYRGAFQNLFSVREVIQ	35

B)

Shark AR	LTNDTARELCKAVSVSMGLNIDNNEL	135
Sturgeon AR	TISETARELCKAVSVSLGLNIESNEM	184
Mosquitofish AR β	TISETARELCKAVSVSLGLTMESSDM	127
Mosquitofish AR α	AYACPTLELSRAVSVSLGLDPLSSPL	55
Medaka AR β	TISETARELCKAVSVSLGLTVESSET	129
Medaka AR α	TNACPTIGLSKAVSVSLGLDSLSSPL	53
<i>Xenopus</i> AR	GISDSAKELCKAVSVSLGLSMEALEH	167
Chicken AR	FLGDSAKELCKAVSASMGLAVETLEA	147
Mouse AR	TISDSAKELCKAVSVSMGLGVEALEH	249
Human AR	TISDNAKELCKAVSVSMGLGVEALEH	250

C)

Shark AR	FQPQKTCLICGDEASGCHYGALTCG	SCKVFFKRAAEGKHFLCASRNDCTIDK	VRRKNCFS	SCRIRKCF	AAGMTILGGRKLN	ARPFQ	519
Sturgeon AR	FPPQRTCLICGDEASGCHYGALTCG	SCKVFFKRAAEGKQKYL	CASRNDCTIDK	IRRKNCFS	SCRIRKCF	KVGMTILGVRKLLKMKGAE	563
Mosquitofish AR β	FPPQRTCLICGDEASGCHYGALTCG	SCKVFFKRAAEGKQKYL	CASRNDCTIDK	IRRKNCFS	SCRIRKCF	EAGMTILGARKLKKI-GQQ	477
Mosquitofish AR α	LSDRRVCQVCGDDASGCHYGAVTCG	SCKVFFKRAAAGKQNHLCASRNDCTIDK	IRRKNCFS	SCRIRKCF	MSGMSIKGRRLK	GAGQTR	387
Medaka AR β	FPPQRTCLICGDEASGCHYGALTCG	SCKVFFKRAAEGKQKYL	CASRNDCTIDK	IRRKNCFS	SCRIRKCF	EAGMTILGARKLKKI-GQQ	466
Medaka AR α	LSDRRVCQVCGDDASGCHYGAVTCG	SCKVFFKRAAAGKQNHLCASRNDCTIDK	IRRKNCFS	SCRIRKCF	MSGMSIKGRRLK	GAGQTR	386
<i>Xenopus</i> AR	FPPQKTCLICGDEASGCHYGALTCG	SCKVFFKRAAEGKQKYL	CASRNDCTIDK	FRRKNCFS	SCRIRKCF	EAGMTILGARKLKKLGNLK	508
Chicken AR	FPPQKTCLICGDEASGCHYGALTCG	SCKVFFKRAAEGKQKYL	CASRNDCTIDK	FRRKNCFS	SCRIRKCF	EAGMTILGARKLKKLGSJK	422
Mouse AR	FPPQKTCLICGDEASGCHYGALTCG	SCKVFFKRAAEGKQKYL	CASRNDCTIDK	FRRKNCFS	SCRIRKCF	EAGMTILGARKLKKLGNLK	618
Human AR	FPPQKTCLICGDEASGCHYGALTCG	SCKVFFKRAAEGKQKYL	CASRNDCTIDK	FRRKNCFS	SCRIRKCF	EAGMTILGARKLKKLGNLK	637

P-box
D-box

NES
NLS