

# A

GgAHR_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	-	A	L	S	P	Q	L	A	L	F	A	V	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	49	
ShAHR_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	-	A	T	L	S	P	Q	L	A	L	F	A	V	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	49
HsAHR_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	-	S	L	L	P	P	Q	L	A	L	F	A	I	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	49
MmAHR_LBD	1	A	M	N	F	Q	G	R	L	K	Y	L	H	G	Q	N	K	K	G	K	D	G	-	A	L	L	P	P	Q	L	A	L	F	A	I	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	49
FhAHR1_LBD	1	A	L	N	I	Q	G	R	L	K	F	L	H	G	Q	N	Q	Q	R	E	N	G	-	G	K	A	T	P	Q	L	A	L	F	A	I	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	49
FhAHR2_LBD	1	A	L	K	F	H	G	R	L	K	Y	L	Q	G	Q	N	L	C	K	D	I	E	-	T	C	K	K	V	Q	L	A	L	F	A	I	A	M	P	V	Q	P	P	S	I	V	E	I	R	A	K	M	49
DmAHR_LBD	1	R	L	D	I	R	G	R	I	K	V	L	H	G	Q	N	R	K	T	E	-	-	-	-	E	P	P	L	A	L	F	A	Y	C	T	P	F	G	P	P	S	L	L	E	I	P	H	K	E	44		
CeAHR_LBD	1	R	I	D	M	R	G	K	L	M	S	L	H	G	L	P	S	S	Y	V	M	G	R	T	A	S	G	P	V	L	G	M	I	C	V	C	T	P	F	V	P	P	S	T	S	D	L	A	S	E	D	50

GgAHR_LBD	50	F	I	F	R	T	K	H	K	L	D	F	T	P	T	G	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	C	M	R	G	T	G	Y	Q	F	I	H	A	A	D	M	L	Y	C	A	99	
ShAHR_LBD	50	F	I	F	R	T	K	H	K	L	D	F	T	P	T	G	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	C	M	R	G	T	G	Y	Q	F	V	H	A	A	D	M	L	Y	C	A	99	
HsAHR_LBD	50	F	I	F	R	T	K	H	K	L	D	F	T	P	I	G	C	D	A	K	G	R	I	V	L	G	Y	T	E	A	E	L	C	T	R	G	S	G	Y	Q	F	I	H	A	A	D	M	L	Y	C	A	99	
MmAHR_LBD	50	F	I	F	R	T	K	H	K	L	D	F	T	P	I	G	C	D	A	K	G	Q	L	I	V	L	G	Y	T	E	V	E	L	C	T	R	G	S	G	Y	Q	F	I	H	A	A	D	I	L	H	C	A	99
FhAHR1_LBD	50	M	I	F	R	T	K	H	K	L	D	F	T	P	L	A	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	R	V	R	G	S	G	Y	Q	F	I	H	A	A	D	M	L	Y	C	A	99	
FhAHR2_LBD	50	L	L	F	Q	T	R	H	K	L	D	F	T	P	T	G	V	D	T	R	G	K	A	I	V	L	G	Y	T	E	I	E	L	C	M	K	G	S	G	Y	Q	F	I	H	A	A	D	M	M	Y	C	A	99
DmAHR_LBD	45	N	M	F	K	S	K	H	K	L	D	F	S	L	V	S	M	D	Q	R	G	K	H	I	L	G	Y	A	D	A	E	L	V	N	M	G	-	G	Y	D	L	V	H	Y	D	D	L	A	Y	V	A	93	
CeAHR_LBD	51	M	I	L	K	T	K	H	Q	L	D	G	A	L	V	S	M	D	Q	K	V	Y	E	M	L	E	I	D	E	T	D	L	P	M	P	L	-	-	Y	N	L	V	H	V	E	D	A	V	C	M	A	98	

GgAHR_LBD	100	E	N	H	V	R	M	M	K	T	G	E	S	G	M	T	V	F	R	L	L	-	T	K	E	N	R	W	A	W	V	Q	A	N	A	R	L	V	Y	K	N	G	R	P	D	Y	I	I	S	T	Q	148
ShAHR_LBD	100	E	N	H	V	R	M	M	K	T	G	E	S	G	M	T	V	F	R	L	L	-	T	K	E	N	R	W	A	W	V	Q	A	N	A	R	L	V	Y	K	N	G	R	P	D	Y	I	I	A	T	Q	148
HsAHR_LBD	100	E	S	H	I	R	M	I	K	T	G	E	S	G	M	I	V	F	R	L	L	-	T	K	N	N	R	W	T	W	V	Q	S	N	A	R	L	V	Y	K	N	G	R	P	D	Y	I	I	V	T	Q	148
MmAHR_LBD	100	E	S	H	I	R	M	I	K	T	G	E	S	G	M	T	V	F	R	L	L	-	A	K	H	S	R	W	R	W	V	Q	S	N	A	R	L	V	Y	R	N	G	R	P	D	Y	I	I	A	T	Q	148
FhAHR1_LBD	100	E	N	H	V	R	M	I	K	T	G	E	S	G	L	T	V	F	R	L	L	-	T	K	E	N	R	W	K	W	V	Q	A	N	A	R	L	V	Y	K	N	G	K	P	D	Y	I	I	A	T	Q	148
FhAHR2_LBD	100	D	N	H	I	R	M	I	K	T	G	E	S	G	L	T	V	F	R	L	L	-	S	K	S	N	G	W	V	W	V	K	S	N	A	K	L	I	Y	K	E	E	R	P	E	F	I	I	A	F	Q	148
DmAHR_LBD	94	S	A	H	Q	E	L	L	K	T	G	A	S	G	M	I	A	Y	R	Y	Q	-	K	K	D	G	E	W	Q	W	L	Q	T	S	S	R	L	V	Y	K	N	S	K	P	D	F	V	I	C	T	H	142
CeAHR_LBD	99	E	A	H	K	E	A	I	K	N	G	S	G	L	L	V	Y	R	L	V	S	T	K	T	R	R	T	Y	F	V	Q	S	S	C	R	M	F	Y	K	N	S	K	P	E	S	I	G	L	T	H	148	

GgAHR_LBD	149	R	P	L	T	D	E	E	G	A	E	H	L	R	K	R	N	M	K	L	P	168
ShAHR_LBD	149	R	P	L	T	D	E	E	G	A	E	H	L	R	K	R	N	M	K	L	P	168
HsAHR_LBD	149	R	P	L	T	D	E	E	G	T	E	H	L	R	K	R	N	T	K	L	P	168
MmAHR_LBD	149	R	P	L	T	D	E	E	G	R	E	H	L	Q	K	R	S	T	S	L	P	168
FhAHR1_LBD	149	R	P	L	L	D	E	E	G	G	E	H	L	R	K	R	S	M	H	L	P	168
FhAHR2_LBD	149	K	A	L	T	N	A	E	G	E	E	Y	L	R	Q	R	R	L	Q	L	P	168
DmAHR_LBD	143	R	Q	L	M	D	E	E	G	H	D	L	L	G	K	R	T	M	D	F	K	162
CeAHR_LBD	149	R	L	L	N	E	V	E	G	T	M	L	L	E	K	R	-	S	T	L	K	167

# B

Gg_AHR1_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	A	A	L	S	P	Q	L	A	L	F	A	V	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	F	50
Sh_AHR1_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	A	T	L	S	P	Q	L	A	L	F	A	V	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	F	50
La_AHR1_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	A	T	L	S	P	Q	L	A	L	F	A	V	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	F	50
Pc_AHR1_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	A	T	L	S	P	Q	L	A	L	F	A	V	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	F	50
Dn_AHR1_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	A	T	L	S	P	Q	L	A	L	F	A	V	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	F	50
Ap_AHR1_LBD	1	A	M	N	F	Q	G	R	L	K	F	L	H	G	Q	N	K	K	G	K	D	G	T	T	L	S	P	Q	L	A	L	F	A	V	A	T	P	L	Q	P	P	S	I	L	E	I	R	T	K	N	F	50

Gg_AHR1_LBD	51	I	F	R	T	K	H	K	L	D	F	T	P	T	G	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	C	M	R	G	T	G	Y	Q	F	I	H	A	A	D	M	L	Y	C	A	E	100
Sh_AHR1_LBD	51	I	F	R	T	K	H	K	L	D	F	T	P	T	G	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	C	M	R	G	T	G	Y	Q	F	V	H	A	A	D	M	L	Y	C	A	E	100
La_AHR1_LBD	51	I	F	R	T	K	H	K	L	D	F	T	P	T	G	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	C	M	R	G	T	G	Y	Q	F	V	H	A	A	D	M	L	Y	C	A	E	100
Pc_AHR1_LBD	51	I	F	R	T	K	H	K	L	D	F	T	P	T	G	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	C	M	R	G	T	G	Y	Q	F	V	H	A	A	D	M	L	Y	C	A	E	100
Dn_AHR1_LBD	51	I	F	R	T	K	H	K	L	D	F	T	P	T	G	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	C	M	R	G	T	G	Y	Q	F	V	H	A	A	D	M	L	Y	C	A	E	100
Ap_AHR1_LBD	51	I	F	R	T	K	H	K	L	D	F	T	P	T	G	C	D	A	K	G	K	I	V	L	G	Y	T	E	A	E	L	C	M	R	G	T	G	Y	Q	F	V	H	A	A	D	M	L	Y	C	A	E	100

Gg_AHR1_LBD	101	N	H	V	R	M	M	K	T	G	E	S	G	M	T	V	F	R	L	L	T	K	E	N	R	W	A	W	V	Q	A	N	A	R	L	V	Y	K	N	G	R	P	D	Y	I	I	S	T	Q	R	P	150
Sh_AHR1_LBD	101	N	H	V	R	M	M	K	T	G	E	S	G	M	T	V	F	R	L	L	T	K	E	N	R	W	A	W	V	Q	A	N	A	R	L	V	Y	K	N	G	R	P	D	Y	I	I	A	T	Q	R	P	150
La_AHR1_LBD	101	N	H	V	R	M	M	K	T	G	E	S	G	M	T	V	F	R	L	L	T	K	E	N	R	W	A	W	V	Q	A	N	A	R	L	V	Y	K	N	G	R	P	D	Y	I	I	A	T	Q	R	P	150