Additional file 1 information

 $\label{eq:confers} Estrogen\ receptor\ \alpha\ phosphorylated\ at\ Ser 216\ confers\ inflammatory\ function\ to\ mouse$ microglia

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Additional file 1: Figure S1. Amino acid sequence alignments of mouse nuclear receptors. Amino acid sequence alignments of mouse nuclear receptors to show the conserved phosphorylation site within the DNA binding domains.

NR1A1	(TRa)	71	Е	G (K	G	F	F	R	R	Т	1	Q	K	Ν	L	Н	Р	Т	Υ	S	С	Κ	Y 93	
NR1A2	(TRβ)	139	Е	G (K	G	F	F	R	R	Т	1	Q	K	S	L	Н	Р	S	Υ	S	С	Κ	Y 161	
NR1B1	(RARa)	106	Е	G (K	G	F	F	R	R	S		Q	K	Ν	Μ	٧	Υ	Т	С	Н	R	D	K 128	,
NR1B2	(RARβ)	133	Е	G (K	G	F	F	R	R	S		Q	K	Ν	Μ	ı	Υ	Τ	С	Н	R	D	K 155	,
NR1B3	(RARy)	108	Е	G (K	G	F	F	R	R	S		Q	K	Ν	Μ	٧	Υ	Т	С	Н	R	D	K 130)
NR1C1	(PPARα)	120	Е	G (K	G	F	F	R	R	Т	1	R	L	Κ	L	٧	Υ	D	K	С	D	R	S 142	1
NR1C2	(PPARδ)	91	Е	G (K	G	F	F	R	R	Т	1	R	Μ	Κ	L	Ε	Υ	Ε	K	С	D	R	I 113	,
NR1C3	(PPARy)	157	Е	G (K	G	F	F	R	R	Т	1	R	L	Κ	L	ı	Υ	D	R	С	D	L	N 179)
NR1D1	(Rev-erbα)	151	Е	G (K	G	F	F	R	R	S	1	Q	Q	Ν	1	Q	Υ	Κ	R	С	L	Κ	N 173	,
NR1D2	(Rev-erbβ)	121	Е	G (K	G	F	F	R	R	s	lт	Q	Q	Ν	1	Q	Υ	K	K	С	L	K	N 143	
NR1F1	(RORα)	91	Е	G (K	G	F	F	R	R	S	Q	Q	S	Ν	Α	Т	Υ	S	С	Р	R	Q	K 113	
NR1F2	(RORß)	39	Е	G (K	G	F	F	R	R	S	Q	Q	Ν	Ν	Α	S	Υ	S	С	Р	R	Q	R 61	
NR1F3	(RORy)	49	Е	G (G	F	F	R	R	s	Q	Q	С	Ν	٧	Α	Υ	S	С	Т	R	Q	Q 71	
NR1H2	(LXRβ)	96	Ē	G (G	F	F	R	R	S	V	v	Н	G	G	Α	G	R	Υ	A	С	R	G 118	
NR1H3	(LXRα)	114	Ē	G (G	F	F	R	R	S	V	il	K	G	Ā	R	Υ	٧	C	Н	S	G	G 136	
NR1H4	(FXRa)	156	Ē	G		G	F	F	R	R	S	ī	T	K	N	Α	V	Y	K	C	K	Ň	G	G 178	
NR1H5	(FXRB)	140	Ē	G (Ğ	F	F	R	R	s	Ιi	Ť	K	N	Α	V	Ý	S	C	K	N	Ğ	G 162	
NR1I1	(VDR)	42	Ē	G (G	F	F	R	R	s	М	K	R	K	Α	Ĺ	F	T	С	Р	F	N	G 64	
NR1I3	(CAR)	39	Ē	G (G	F	F	R	R	Т	V	S	K	Т	ï	G	Р	Ť	С	Р	F	Α	G 61	
NR2A1	(HNF4α)	78	D	G (G	F	F	R	R	S	v	R	K	N	Н	М	Υ	S	С	R	F	S	R 100)
NR2A2	(HNF4y)	40	D	G		G	F	F	R	R	s	ī	R	K	S	Н	V	Ý	s	C	R	F	s	R 62	
NR2B1	(RXRα)	158	E	G		G	F	F	K	R	Т	V	R	K	D	L	Ť	Ÿ	Т	C	R	D	N	K 180)
NR2B2	(RXRB)	210	Ē	G		G	F	F	K	R	Ť	ī	R	K	D	Ĺ	T	Y	S	C	R	D	N	K 232	
NR2B3	(RXR ₇)	157	Ē	G		G	F	F	K	R	Ť	١i	R	K	D	Ĺ	i	Ÿ	T	C	R	D	N	K 179	
NR2C1	(TR2)	119	Ē	G		G	F	F	K	R	s	li	R	K	N	Ĺ	v	Ÿ	s	C	R	G	s	K 141	
NR2C2	(TR4)	168	Ē	G		G	F	F	K	R	s	v	R	ĸ	N	Ĺ	Ť	Ý	s	C	R	s	s	Q 190	
NR2E1	(TLX)		D	G		G	F	F	K	R	s	ī	R	R	N	R	Ť	Ÿ	v	C	ĸ	s	Ğ	N 56	
NR2E3	(PNR)	58	N	G		G	F	F	K	R	s	v	R	R	R	L	i	Ÿ	Ŕ	C	Q	V	G	A 80	
NR2F1	(COUP-TFI)	101	Ε	G		S	F	F	K	R	s	v	R	R	N	Ĺ	Ť	Ÿ	Т	C	R	À	N	R 123	
NR2F2	(COUP-TFII)	97	Ē	G		s	F	F	K	R	s	v	R	R	N	Ĺ	s	Ÿ	Ť	C	R	Α	N	R 119	
NR2F6	(COUP-TFIII)	75	Ē	G		s	F	F	K	R	s	i	R	R	N	Ĺ	s	Ÿ	Ť	C	R	s	N	R 97	
NR3A1	(ERα)	207	Ē	G		A	F	F	K	R	s	١i	Q	G	Н	N	D	Ý	M	C	Р	A	Т	N 229	
NR3A2	(ERβ)	186	Ē	G		A	F	F	K	R	s	Ιi	ã	G	Н	N	D	Ý	1	C	P	Α	Ť	N 208	
NR3B1	(ERRα)	97	E	A		A	F	F	K	R	Т	١i	ã	G	s	ï	E	Ÿ	S	c	P	Α	s	N 119	
NR3B2	(ERRβ)	142	Ē	A		A	F	F	K	R	Ť	١i	Q	Ğ	N	i.	E	Ÿ	N	c	P	A	Т	N 164	
NR3B3	(ERR _?)	146	Ē	A		Α	F	F	ĸ	R	Ť	١i	ã	Ğ	N	i.	Ē	Ý	s	č	P	Α	Ť	N 168	
NR4A1	(NGFIB)	288	E	G		G	F	F	K	R	Ť	v	ã	K	s	A	K	Ý	ĭ	C	L	Α	N	K 310	
NR4A2	(NURR1)	281	Ē	G		G	F	F	K	R	Ť	v	ã	K	N	A	K	Ý	v	c	Ĺ	A	N	K 303	
NR4A3	(NOR1)	311	Ē	G		G	F	F	K	R	Ť	v	Q	K	N	A	K	Ý	v	C	Ĺ	A	N	K 333	
NR5A1	(SF1)	31	E	S		G	F	F	K	R	Ť	ľ	Q	N	N	ĸ	Н	Ÿ	Ť	c	T	E	s	Q 53	,
NR5A2	(LRH1)	125	Ē	S		G	F	F	K	R	Ť	ľ	Q	N	Q	K	R	Ý	Ť	c	i	Ē	N	Q 147	,
NR6A1	(GCNF)	93	E	G		G	F	F	K	R	s	ĭ	č	N	ĸ	R	v	Ý	Ŕ	c	s	R	D	K 115	
NR1I2	(PXR)	56	Ē	G		G	F	F	R	R	A	м	ĸ	R	N	v	R	Ĺ	R	c	Р	F	R	K 78	
NR3C1	(GR)	455	G	S		V	F	F	K	R	Â	V	E	G	Q	Н	N	Υ	L	C	A	G	R	N 477	,
NR3C1	(MR)	621	G	S		v	F	F	K	R	A	v	E	G	Q	Н	N	Y	L	C	A	G	R	N 643	
NR3C2 NR3C3	· /	578	G	S		v	F	F	K	R	A	М	E	G	Q	Н	N	Ϋ́		C	A	G	R	N 600	
NR3C3 NR3C4	(PR)	578 557	G	S		v	F	F	K	R	A	MA	E	G	K	Q	K	Ϋ́	L	C	A	S	R		
	(AR)	55/	G	3 1	K	٧	Г	Г	ĸ	K	A	I A		G	ĸ	Q	ĸ	T	L	C	А	3	K	N 579	,
NR0B1	(DAX-1)																								
NR0B2	(SHP)																								