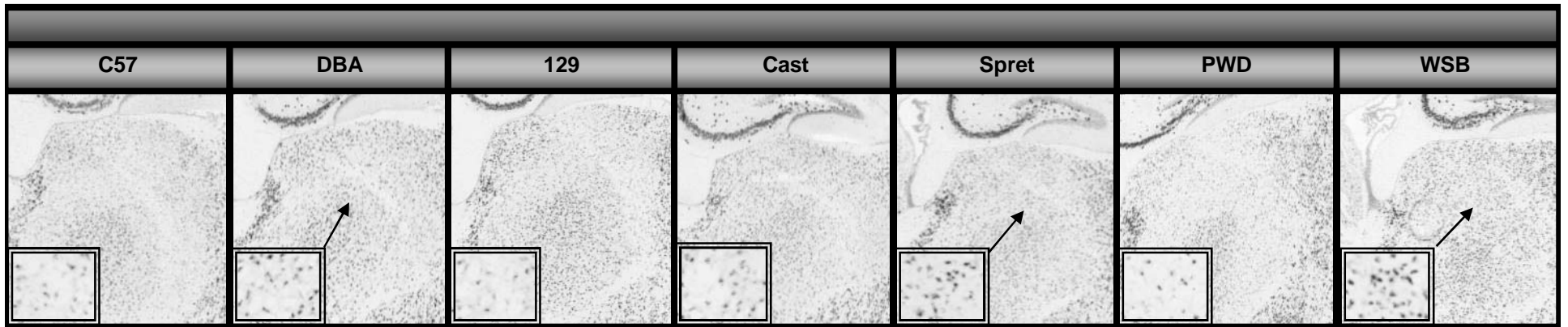


## Supplemental Fig 1

- Strain differences are depicted below and summarized in a table of contents. Each panel caption states the type (density, intensity, or both) and direction of difference (solid arrows indicate increased, dashed arrows decreased, expression relative to C57. Subtle differences may be best appreciated by consulting the original data available at <http://www.brain-map.org>

GENE	SUMMARY	PAGE	GENE	SUMMARY	PAGE
Ache	PO: ... < DBA, Spret, WSB	2	AcheHtr1a	SUB: ... < Spret, PWD	43
Ache	CBX(gr): ... < PWD	3	Htr1a	VIS(5): Spret < ...	44
Adra2a	DG(po): ... < WSB	4	Htr1a	RSPd(5): Spret < ...	45
Adra2a	CBX(gr): ... < PWD	5	Htr1a	CP: ... < Cast, Spret	46
Agtr1a	PVH: Spret, PWD < ...	6	Htr1a	FN: Spret < ...	47
Bche	ENTm: Spret, PWD < ...	7	Htr1b	PIR(2): Spret < ... < PWD	48
Bche	AD: ... < Cast, WSB	8	Htr1b	DG(po): C57 < ...	49
Bche	LD: ... < Cast, PWD	9	Htr1b	POST: ... < PWD	50
Bche	AV: ... < Cast	10	Htr1b	AV: Spret < ...	51
Bche	RE: ... < Cast, PWD	11	Htr2a	MO(2/3): Cast < ...	52
Bche	MH: ... < Cast	12	Htr2a	AD: Cast < ...	53
Bche	PCG: Spret < ...	13	Maob	MOBmi: ... < PWD	54
Bche	DMX: Spret < ...	14	Maob	MO(2/3): ... < PWD	55
Cyp19a1	LS: Spret, WSB < ... < PWD	15	Maob	CTX(6b): Spret < ...	56
Drd1a	CA2sp: ... < DBA, 129	16	Maob	LA: ... < PWD, WSB	57
Drd1a	AD: ... < Spret	17	Maob	LSr: ... < Cast	58
Drd1a	PB: Cast < ...	18	Maob	RE: ... < Spret	59
Drd2	ENTl: ... < DBA	19	Oprm1	CP: ... < PWD	60
Drd2	LD: DBA, Cast, Spret < ...	20a	Oprm1	MS: ... < PWD	61
Drd2	AV: Cast, Spret < ...	20b	Oprm1	VAL: ... < Spret	62a
Egfr	DG(sg): ... < Cast	21	Oprm1	VPL: ... < Spret	62b
Egfr	PA: ... < Cast	22	Pdgfrb	PF: WSB < ...	63
Egfr	LSc: ... < Cast, Spret	23	Ppp3ca	MG: C57, 129, PWD < ...	64
Egfr	SCs: ... < Spret	24	Ptgs2	TTv: DBA < ... < Cast	65
Esr1	COAp: Spret < ...	25	Ptgs2	COA: DBA, WSB < ...	66
Esr1	CA2sp: ... < PWD	26a	Ptgs2	CA3sp: Spret < ... < WSB	67a
Esr1	DG(po): ... < PWD	26b	Ptgs2	DG: DBA, PWD < ... < Spret	67b
Esr1	MO(2/3): ... < DBA	27	Ptgs2	VIS(2/3): DBA, WSB < ...	68
Esr1	PIR(2): ... < Spret	28	Ptgs2	CLA: WSB < ...	69
Esr1	DR: Spret < ...	29	Ptgs2	IA: Cast < ...	70
Esr1	AP: ... < Spret	30	Scn10a	EPd: ... < C57	71
Esr2	CLA: Spret < ... < DBA, Cast	31	Scn10a	CEA: Spret < ...	72
Esr2	BLA: Spret, PWD < ...	32	Slc6a1	CBX(mo): Spret, PWD < ...	73
Esr2	RE: ... < Spret, PWD	33	Th	AOBgr: Cast, Spret, WSB < ...	74
Esr2	SCH: ... < Spret	34	Th	MOBgr: Spret < ...	75
Faah	AOBmi: Cast < ...	35	Th	SUB: ... < PWD	76
Gabra3	CBX(gr): ... < PWD	36	Th	CTX(6a): Cast, Spret < ...	77
Gabrb1	SCs: Spret < ...	37	Th	CP: Cast < ...	78
Gnrh1	MPO: Cast < ...	38	Th	MEA: ... < PWD	79
Hrh1	SCs: ... < Cast	39	Th	RT: 129, Spret, WSB < ... < Cast, PWD	80
Htr1a	AOB: ... < PWD, WSB	40	Th	IC: Spret < ...	81
Htr1a	MOBmi: Cast, PWD < ...	41	Th	NLL: ... < PWD	82
Htr1a	CA3sp: ... < Spret, Cast	42	Th	DMX: ... < PWD	83
Htr1a	SUB: ... < Spret, PWD	43	Th	CBX(purk): ... < C57	84

## Ache

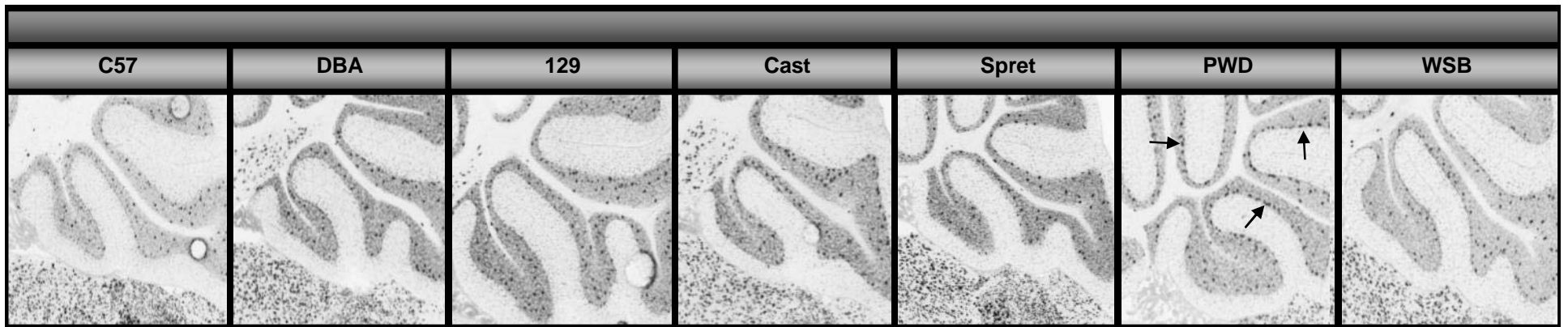


**PO: ... < DBA, Spret, WSB**

---

*The DBA, Spret, and WSB strains show greater intensity of acetylcholinesterase (Ache) expression in the posterior thalamic complex*

## Ache



CBX(gr): ... < PWD

*The PWD strain shows greater density of acetylcholinesterase (Ache) expression in the cells lining the superficial portion of the cerebellar cortex granule layer*

## Adra2a



DG(po): ... < WSB

*The WSB strain shows greater density and intensity of adrenergic receptor, type 2a (Adra2a) expression in the dentate gyrus, polymorph layer*

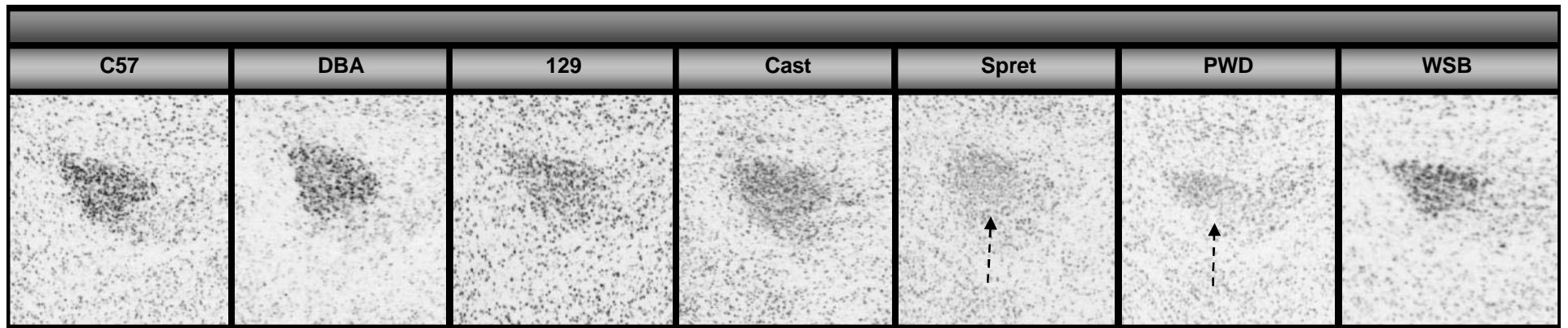
## Adra2a



CBX(gr): ... < PWD

---

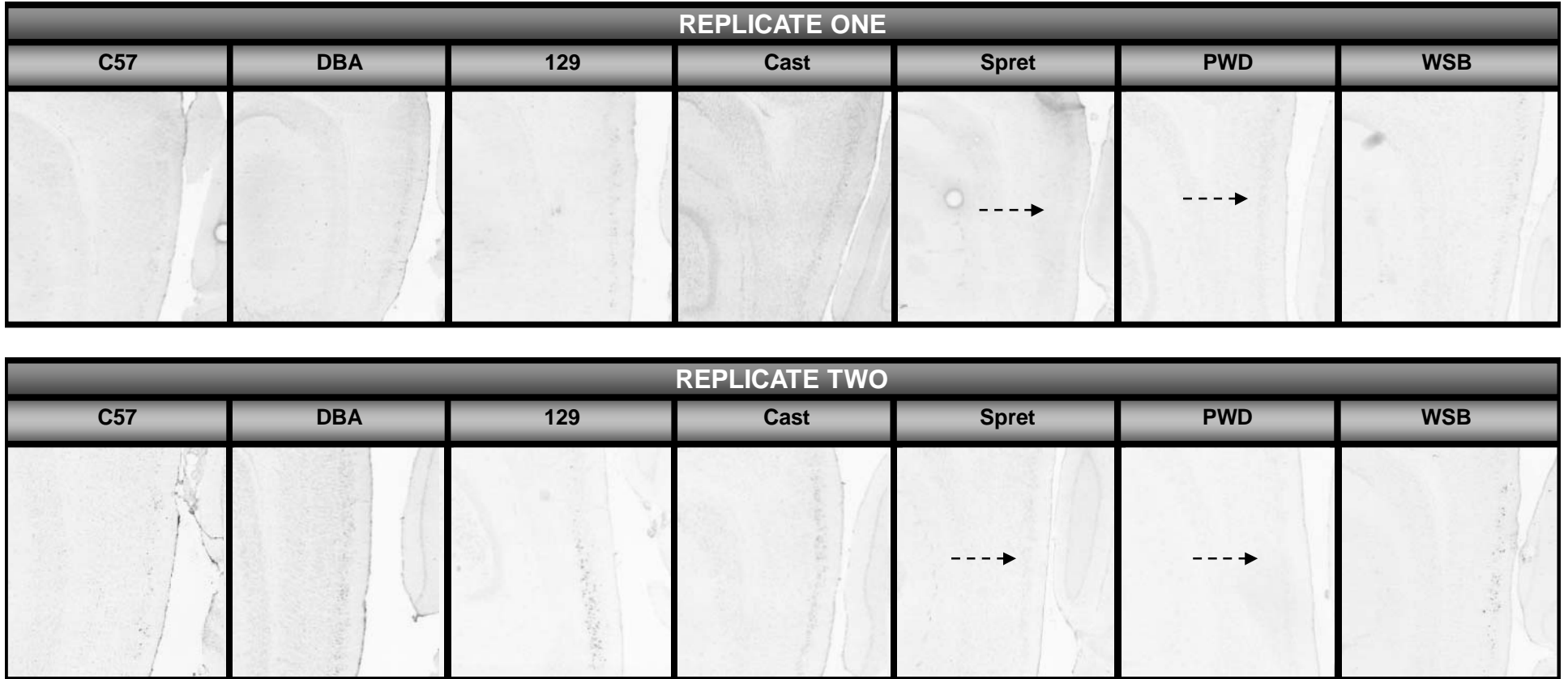
*The PWD strain shows greater density and intensity of adrenergic receptor, type 2a (Adra2a) in the superficial portion of the cerebellar cortex granule layer*

**Agtr1a**

PVH: Spret, PWD < ...

---

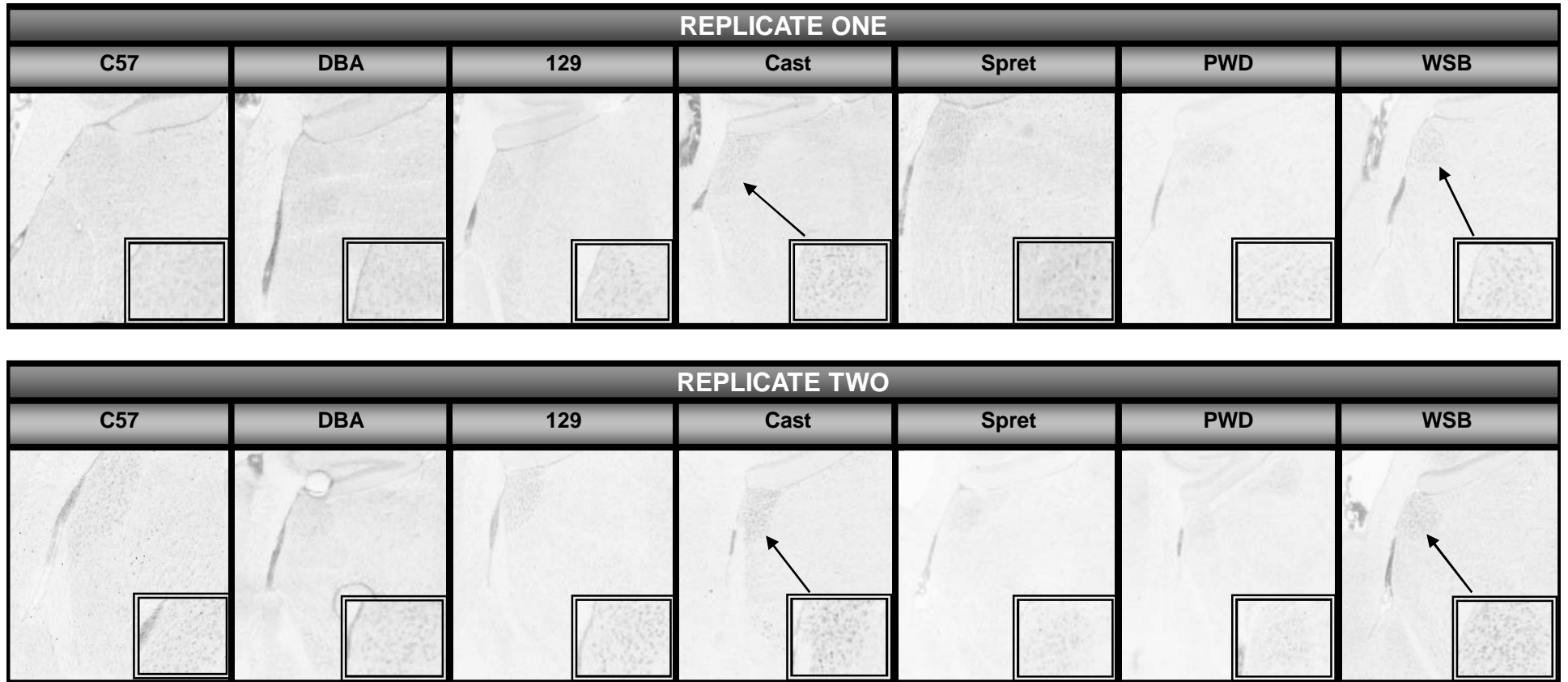
*The Spret and PWD strains show lower intensity of angiotensin II receptor, type 1a (Agtr1a) expression in the paraventricular hypothalamic nucleus*

**Bche**

**ENTm: Spret, PWD < ...**

*The Spret and PWD strains show lower density and intensity of butyrylcholinesterase (Bche) expression in the entorhinal area, medial part, dorsal zone*

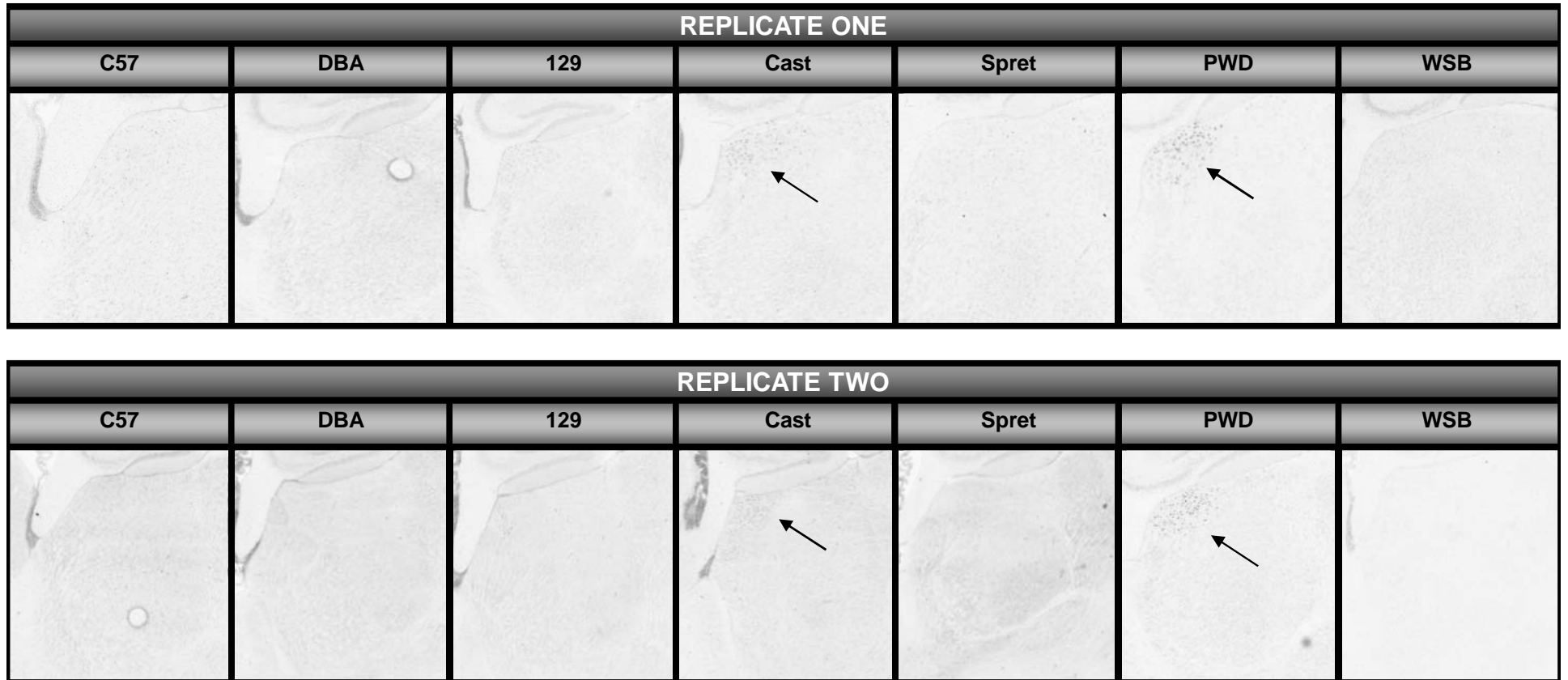


**Bche**

**AD: ... < Cast, WSB**

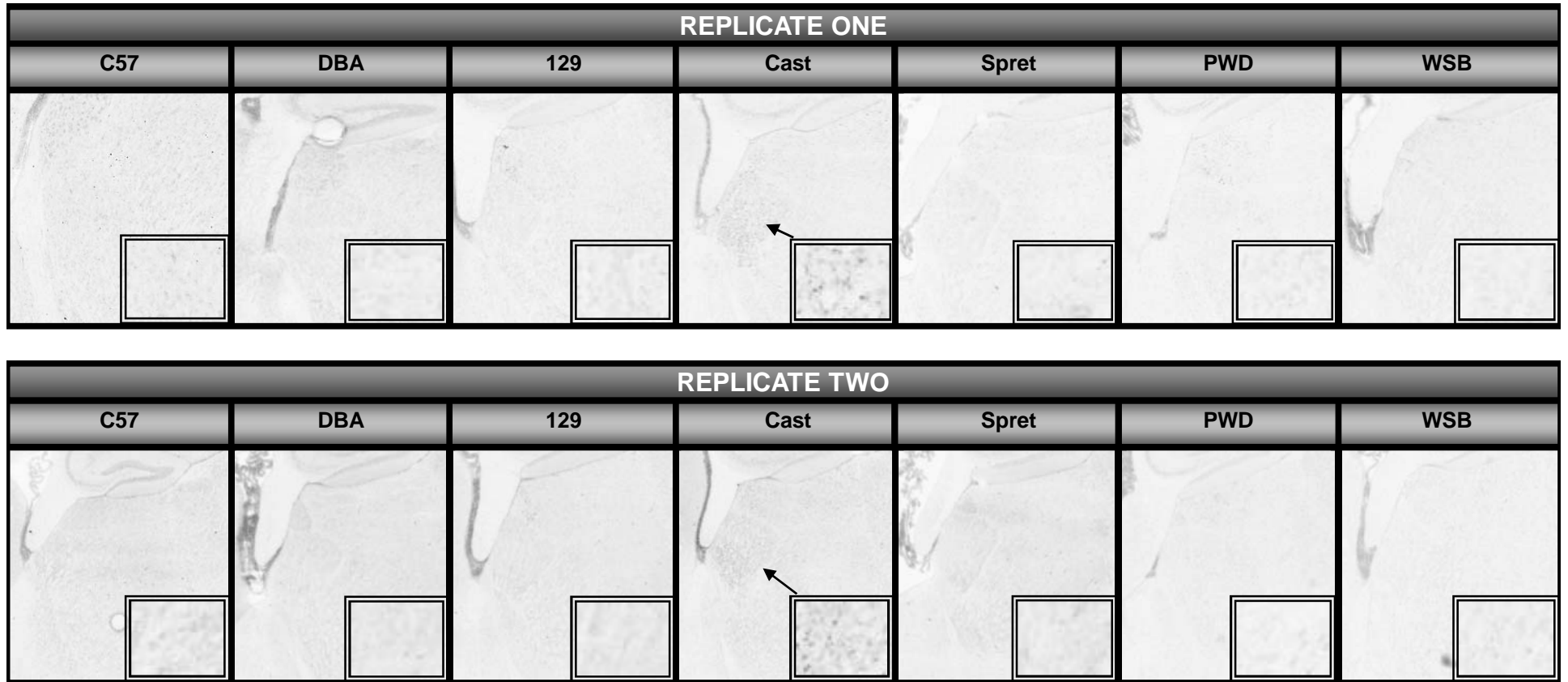
---

*The Cast and WSB strains show greater density and intensity of butyrylcholinesterase (Bche) expression in the anterodorsal nucleus*

**Bche**

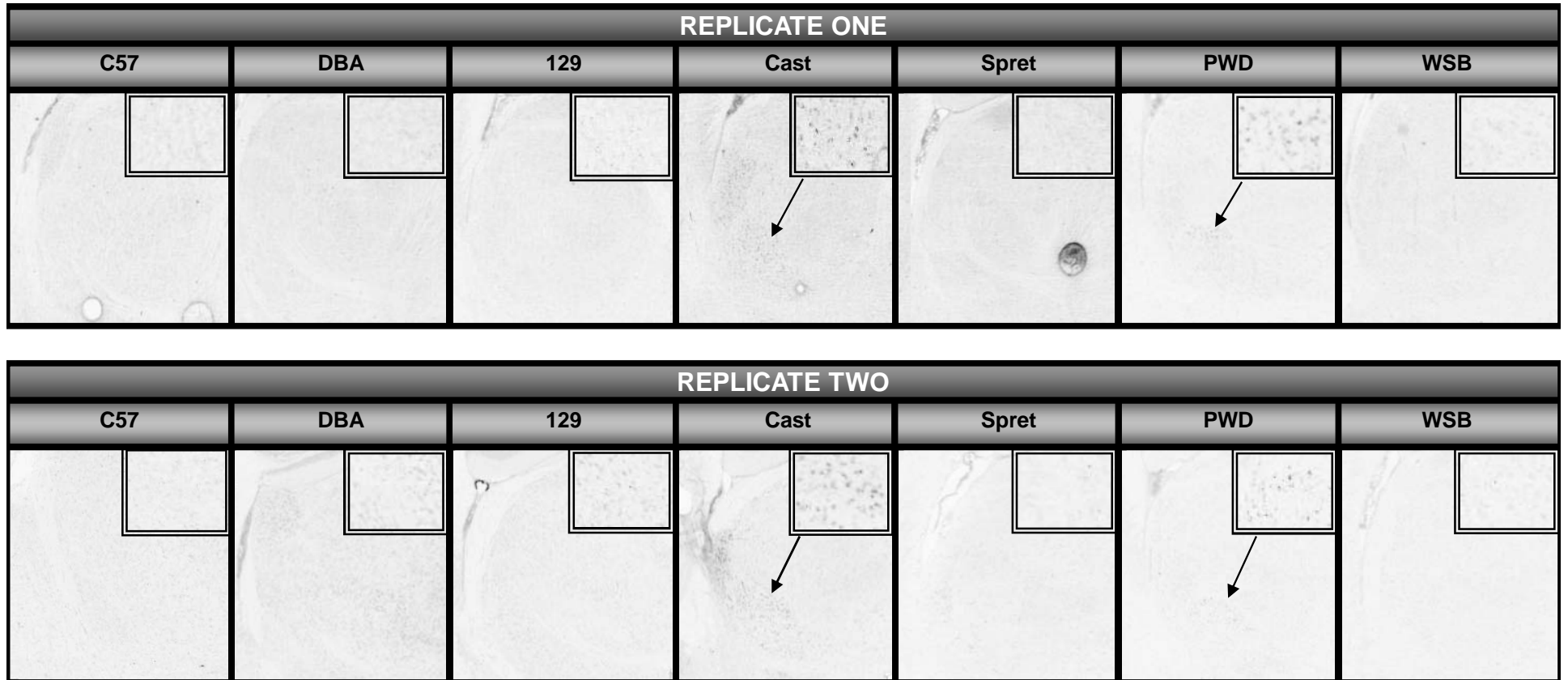
LD: ... < Cast, PWD

*The Cast and PWD strains show greater density and intensity of butyrylcholinesterase (Bche) expression in the lateral dorsal nucleus of thalamus*

**Bche**

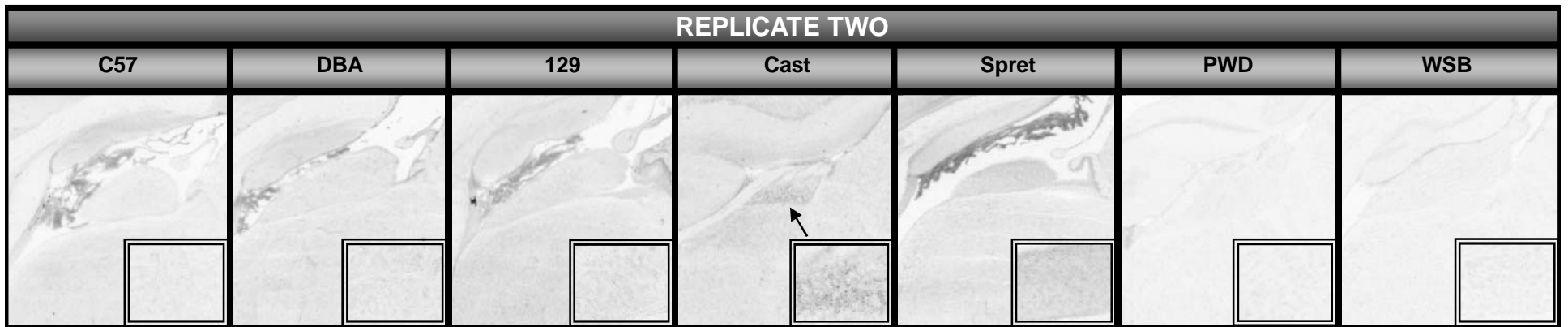
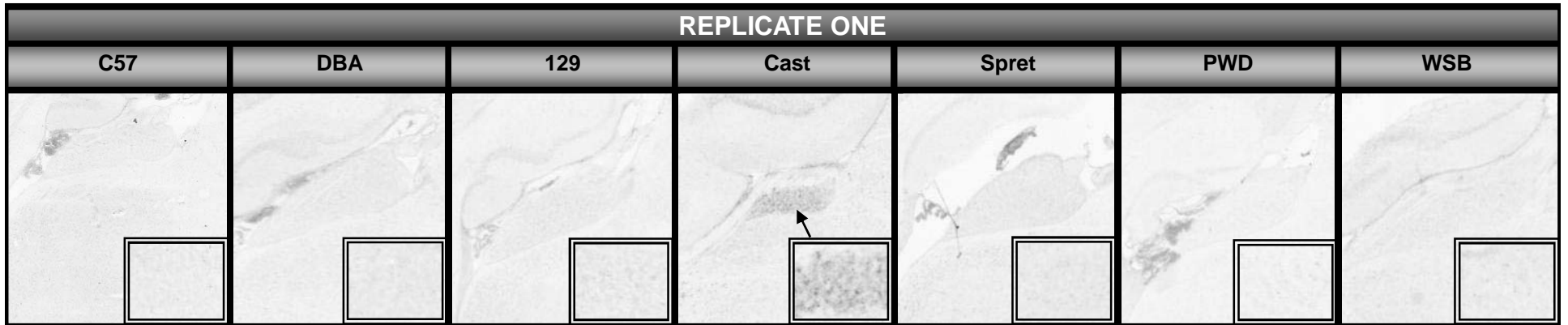
AV: ... < Cast

*The Cast strain shows greater density and intensity of butyrylcholinesterase (Bche) expression in the anteroventral nucleus of thalamus*

**Bche**

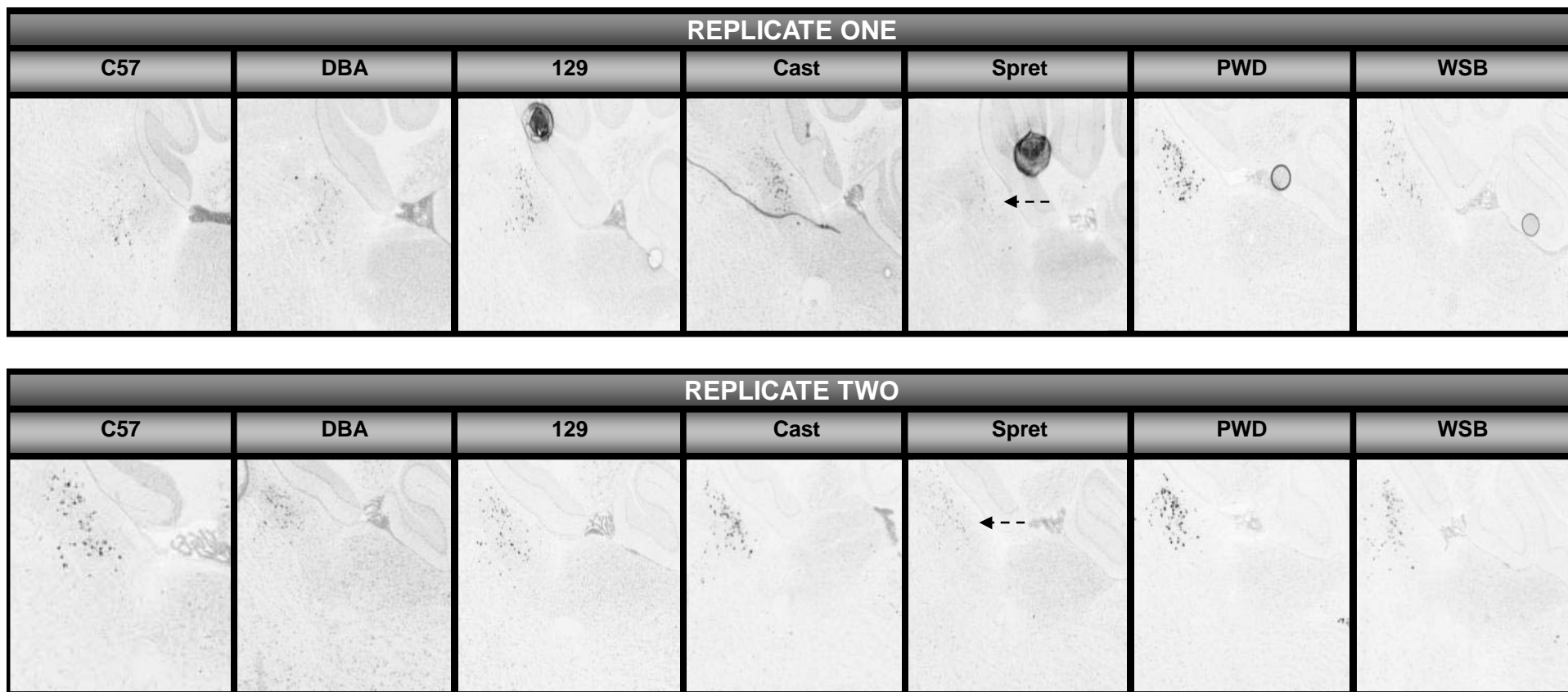
RE: ... < Cast, PWD

*The Cast and PWD strains show greater density and intensity of butyrylcholinesterase (Bche) expression in the nucleus of reurons*

**Bche**

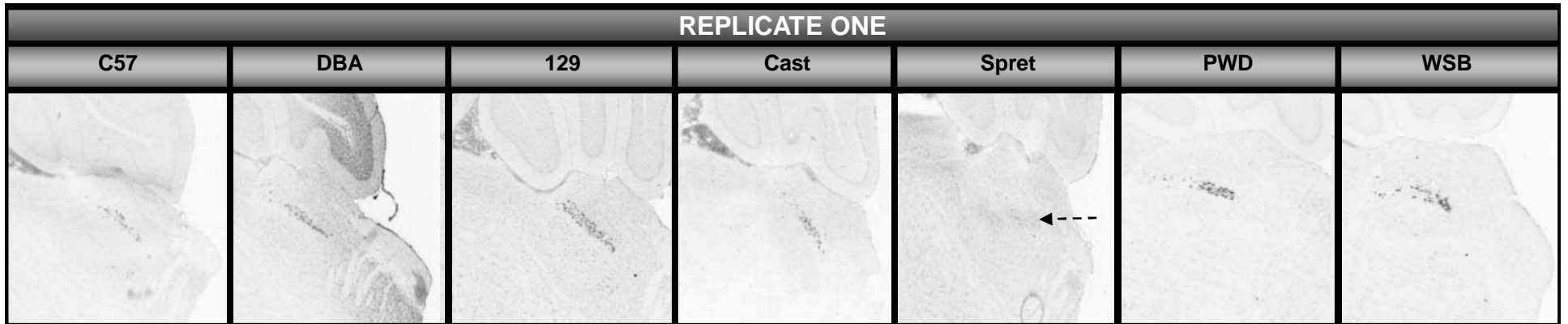
MH: ... < Cast

*The Cast strain shows greater density and intensity of butyrylcholinesterase (Bche) expression in the medial habenula*

**Bche**

PCG: Spret < ...

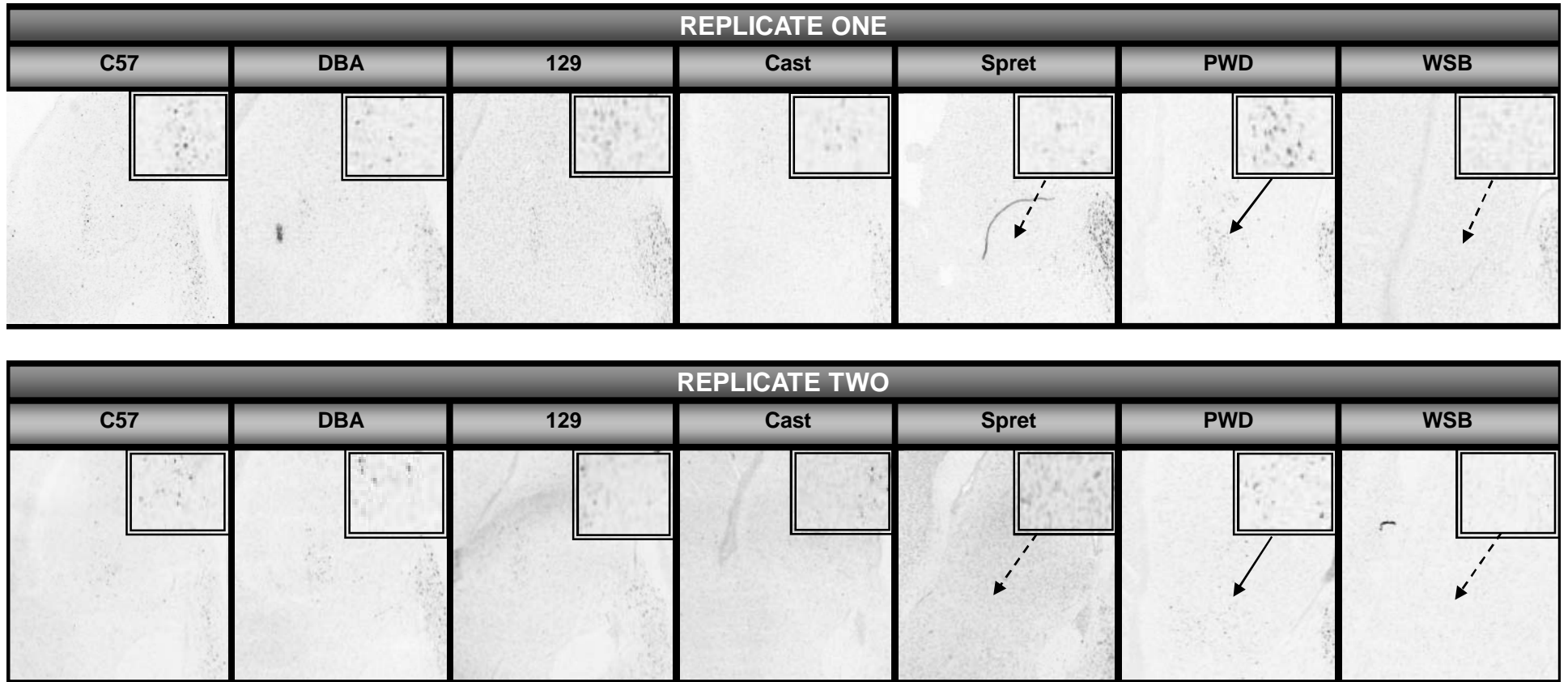
*The Spret strain shows lower density and intensity of butyrylcholinesterase (Bche) expression in the pontine central gray*

**Bche**

**DMX: Spret < ...**

*The Spret strain shows lower density and intensity of butyrylcholinesterase (Bche) expression in the dorsal motor nucleus of the vagus nerve*

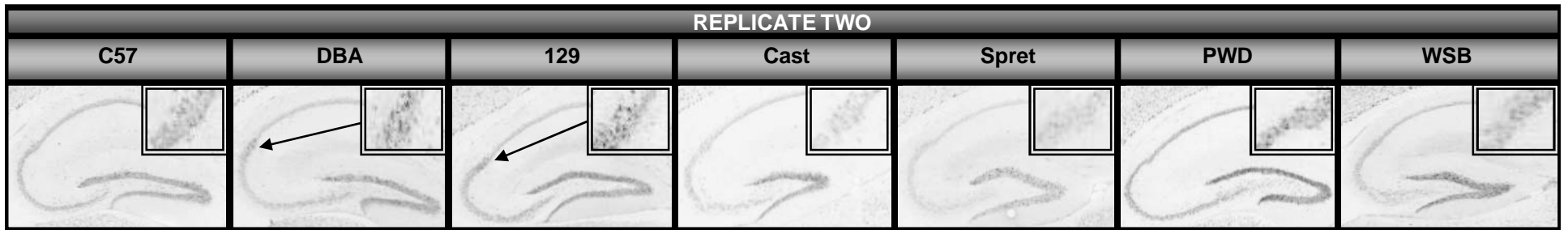
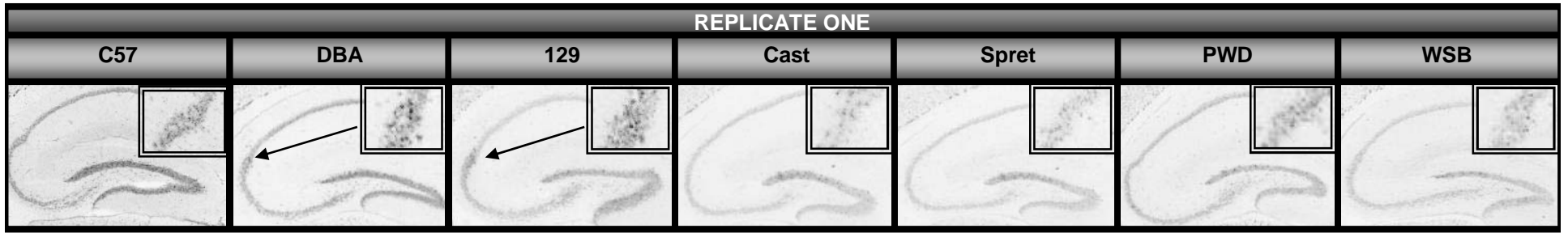
## Cyp19a1



**LS: Spret, WSB < ... < PWD**

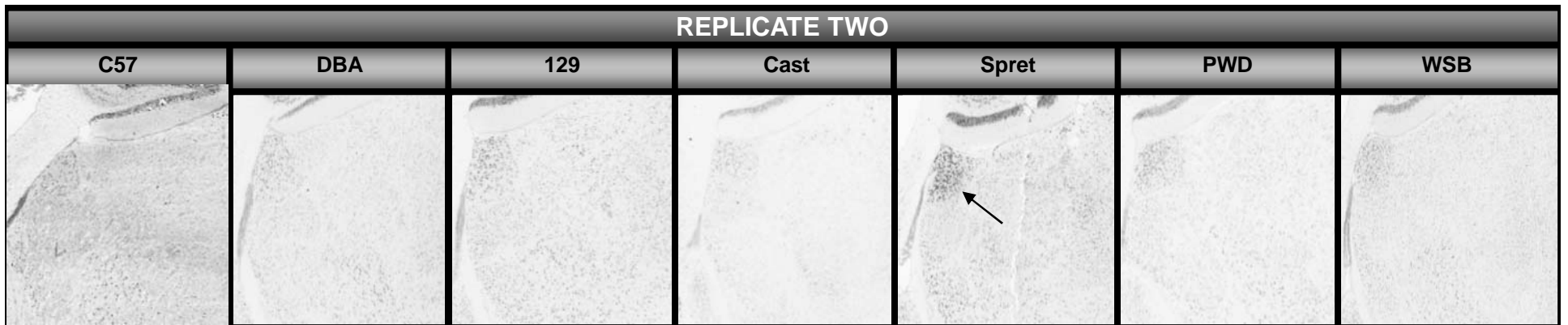
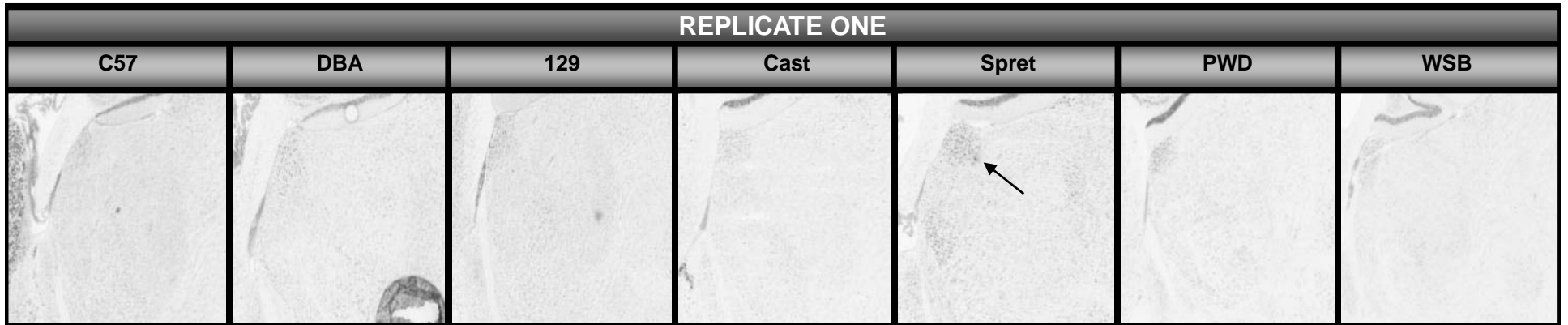
*The Spret and WSB strains show lower density and intensity of cytochrome P450, family 19, subfamily a, polypeptide 1 (Cyp19a1) expression in the lateral septal nucleus; the PWD strain shows greater.*



**Drd1a**

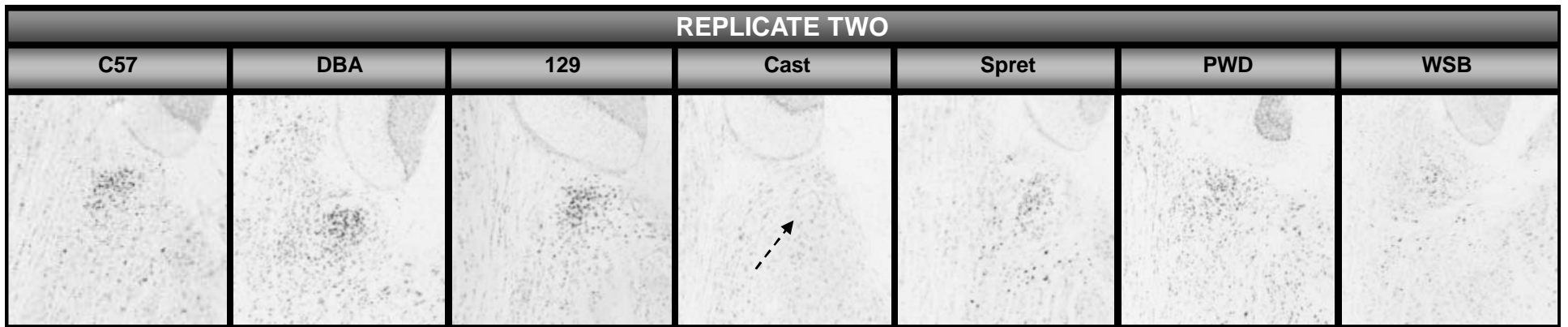
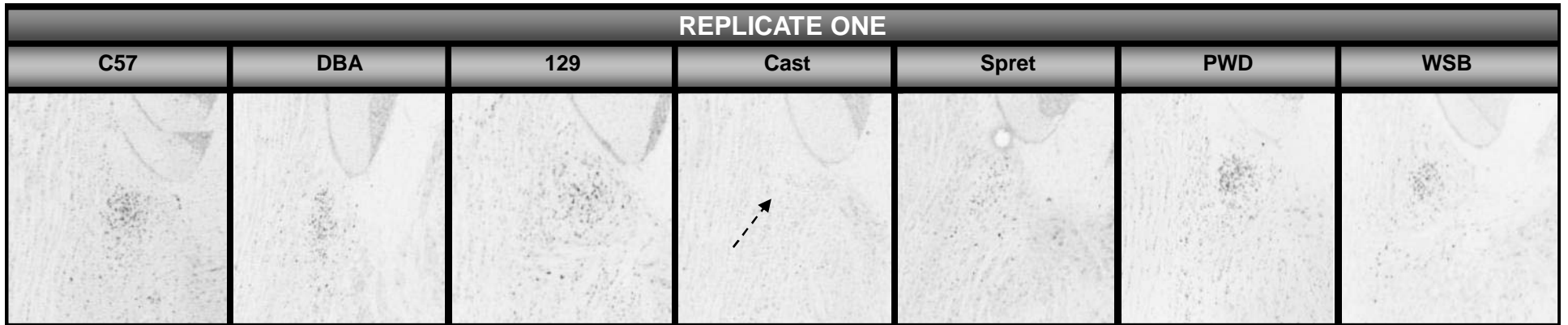
CA2sp: ... < DBA, 129

*The DBA and 129 strains show greater density and intensity of dopamine receptor D1A (Drd1a) expression in the cornu ammonis field 2, pyramidal layer*

**Drd1a**

AD: ... < Spret

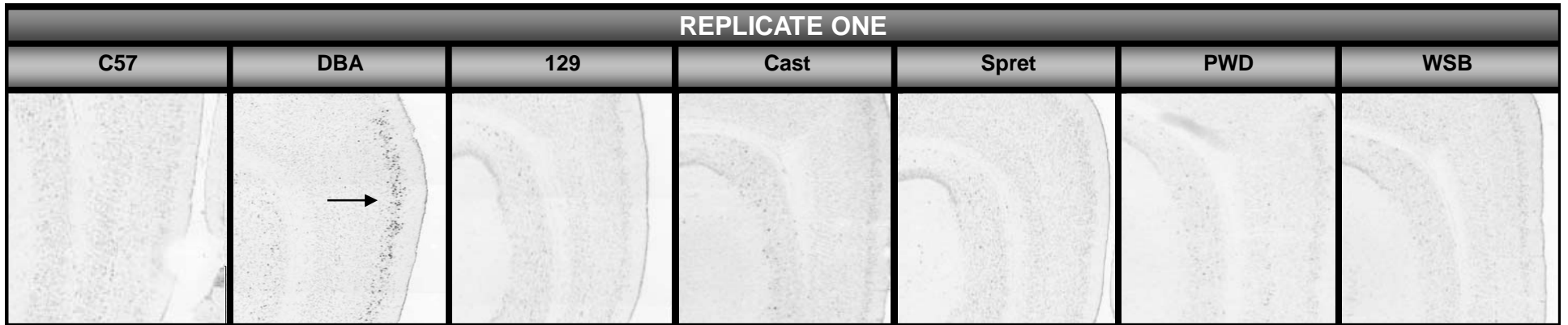
*The Spret strain shows greater density and intensity of dopamine receptor D1A (Drd1a) expression in the anterodorsal*

**Drd1a**

**PB: Cast < ...**

---

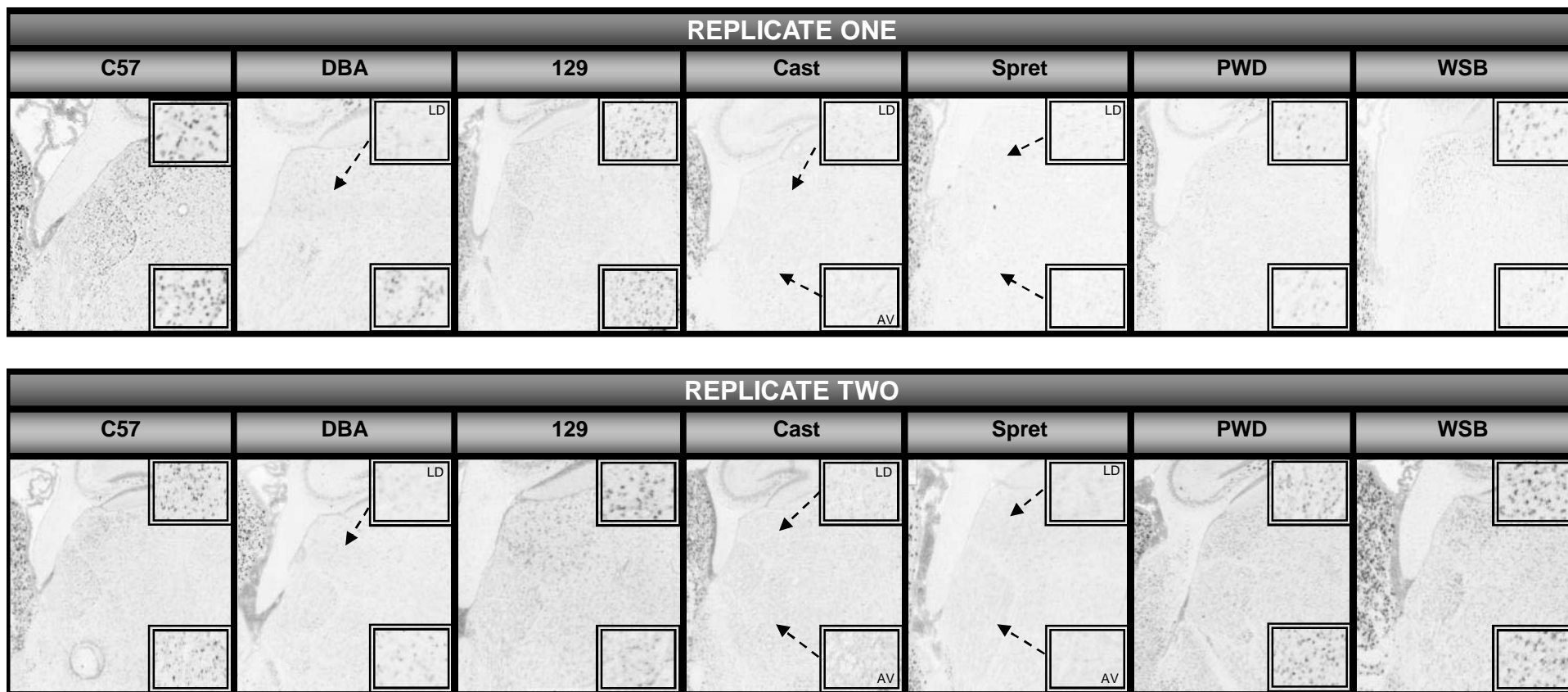
*The Cast strain shows lower density and intensity of dopamine receptor D1A (Drd1a) expression in the parabrachial nucleus*

**Drd2****ENTI: ... < DBA**

*The DBA strain shows greater density and intensity of dopamine receptor 2 (Drd2) expression in the entorhinal area, lateral part*

20a,b

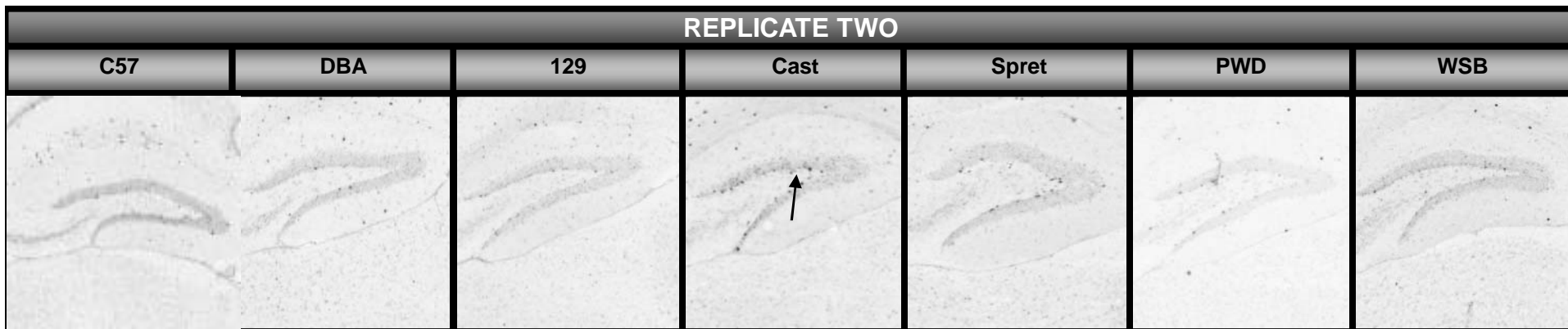
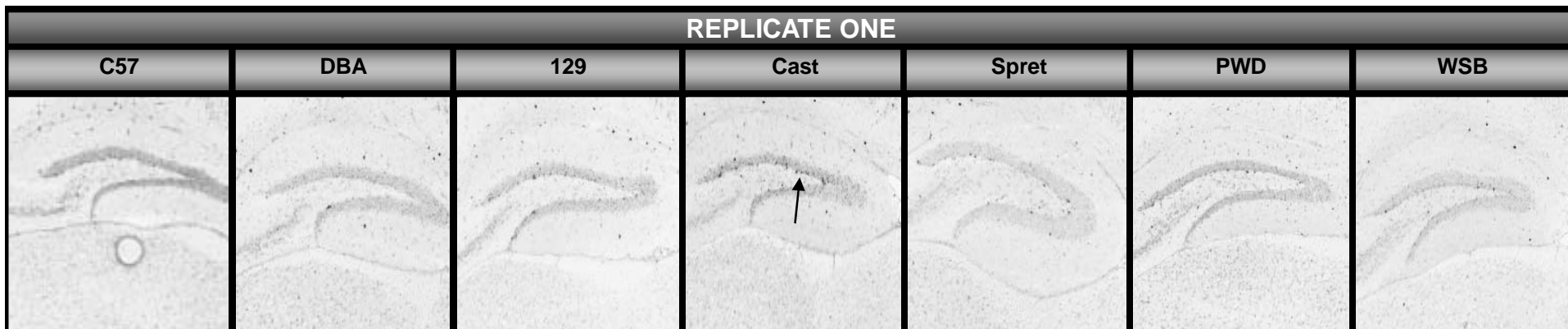
## Drd2



**LD: DBA, Cast, Spret < ...**

**AV: Cast, Spret < ...**

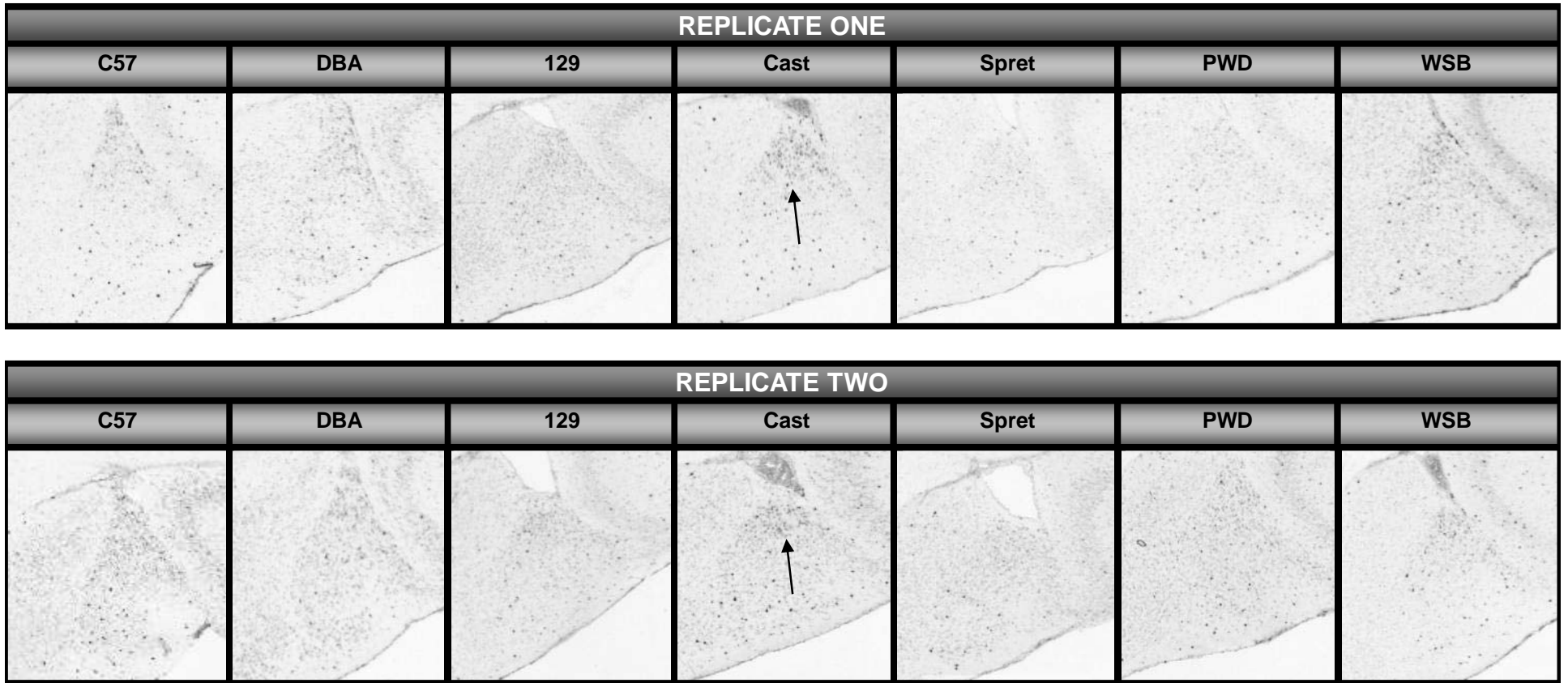
*The DBA, Cast and Spret strains show lower density and intensity of dopamine receptor 2 (Drd2) expression in the lateral dorsal nucleus of thalamus; the Cast and Spret show lower density and intensity of expression in the anteroventral nucleus of thalamus*

**Egfr**

**DG(sg): ... < Cast**

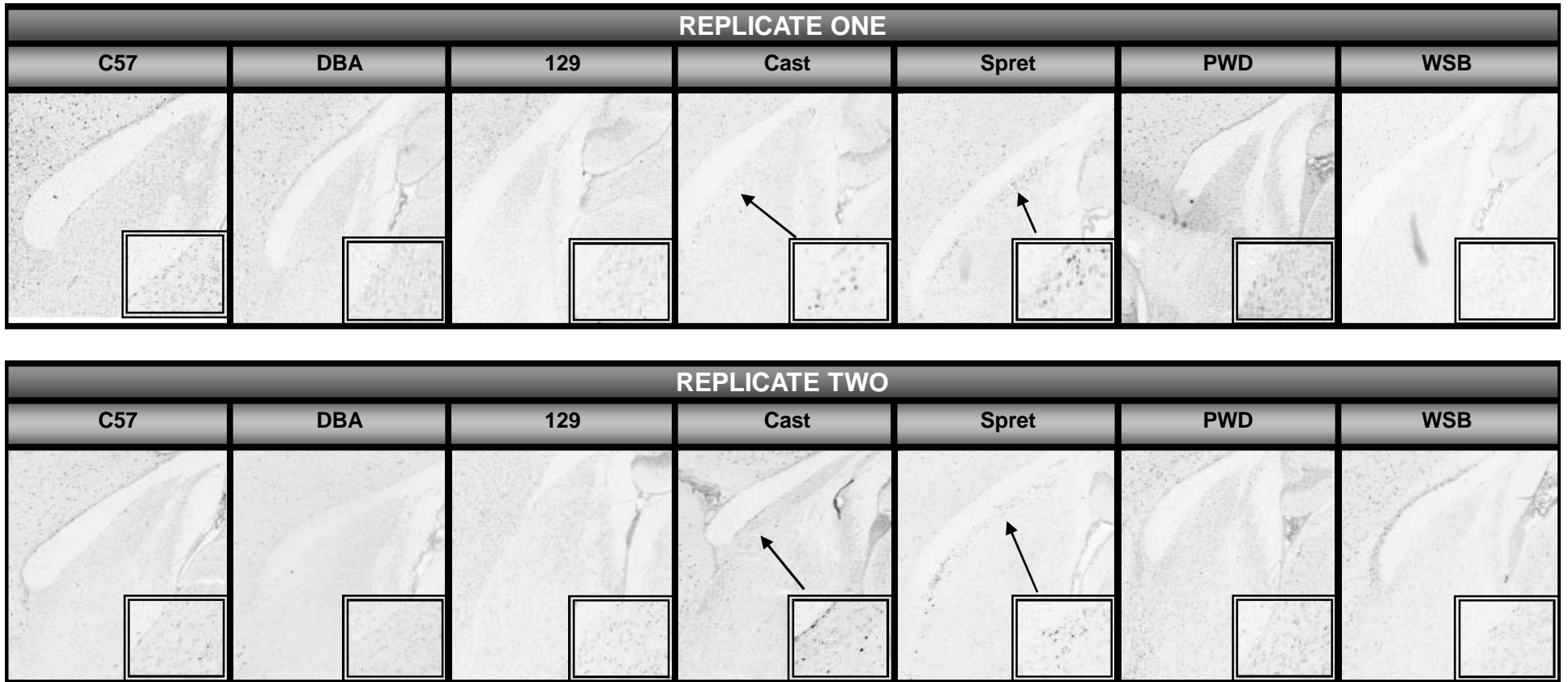
---

*The Cast strain shows greater density and intensity of epidermal growth factor receptor (Egfr) expression in the dentate gyrus, subgranular zone*

**Egfr**

PA: ... < Cast

*The Cast strain shows greater density and intensity of epidermal growth factor receptor (Egfr) expression in the posterior amygdalar nucleus*

**Egfr**

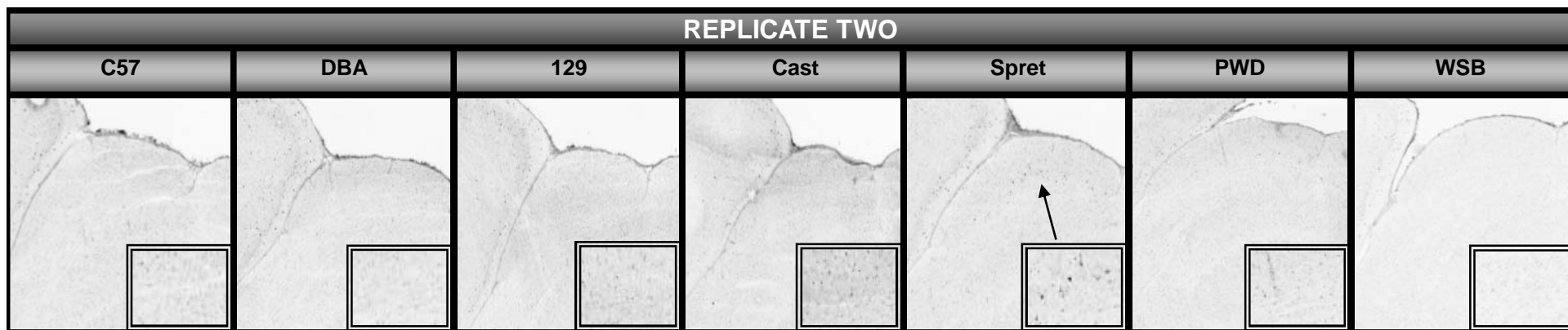
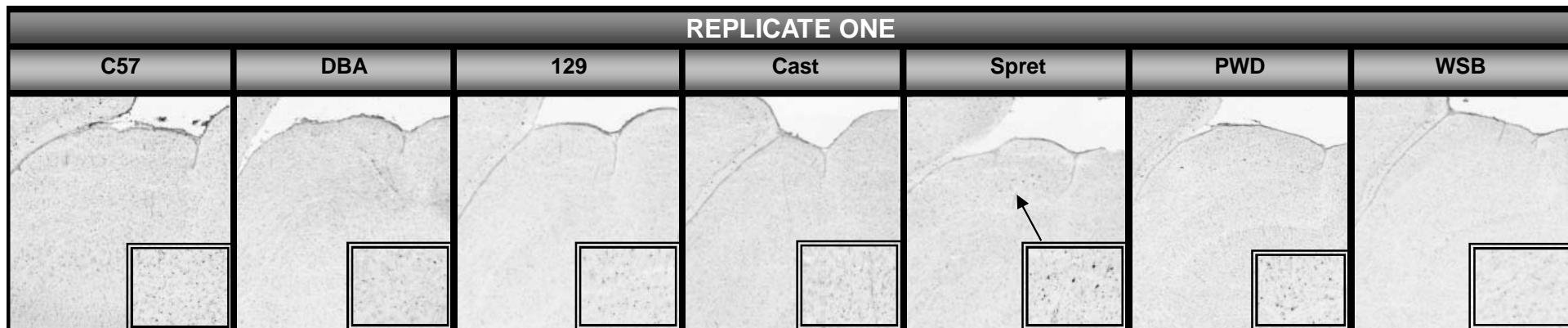
**LSc: ... < Cast, Spret**

---

*The Cast and Spret strains show greater density and intensity of epidermal growth factor receptor (Egfr) expression in the lateral septal nucleus, caudal part*

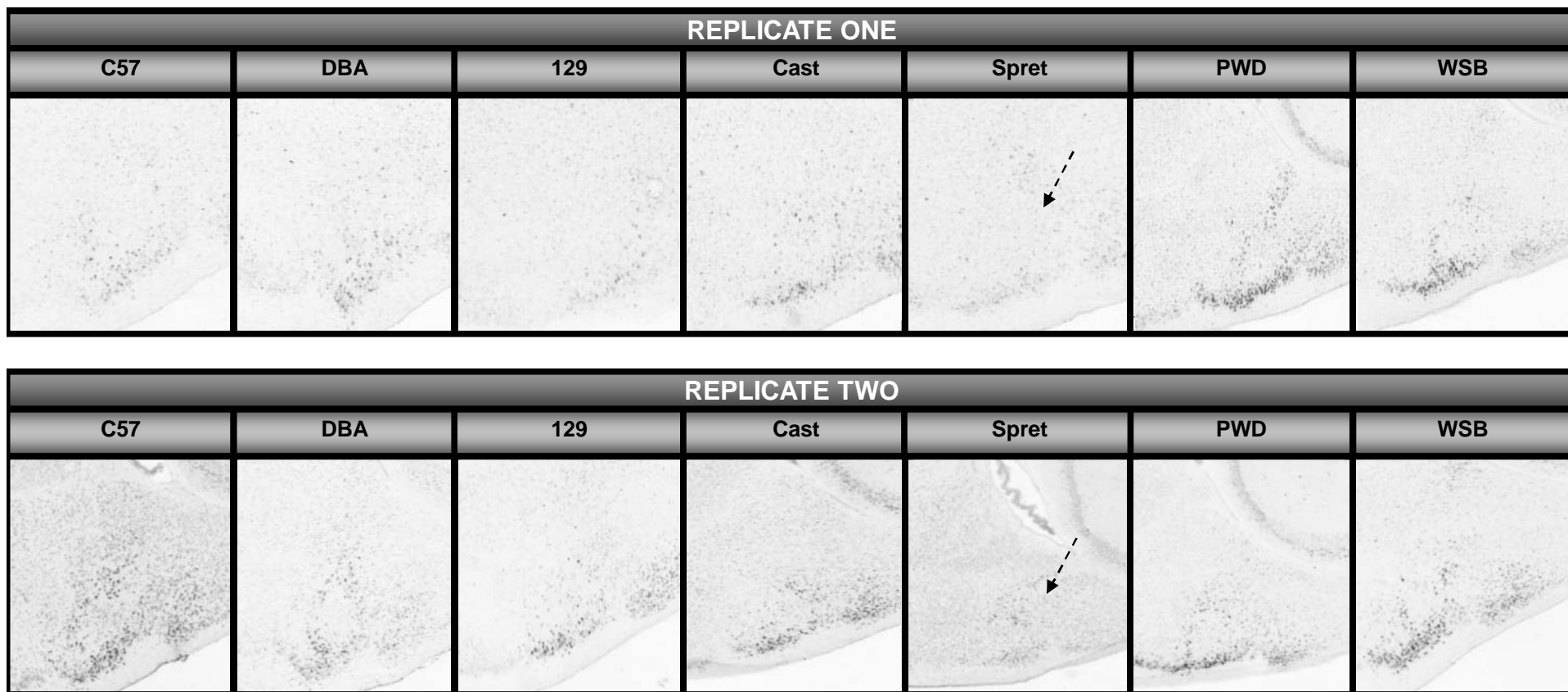


## Egfr



SCs: ... < Spret

*The Spret strain shows greater density and intensity of epidermal growth factor receptor (Egfr) expression in the superior colliculus, sensory part*

**Esr1**

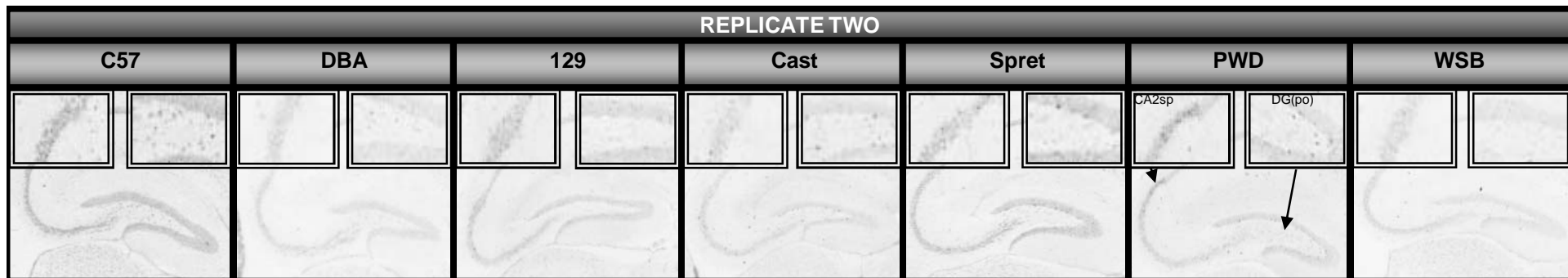
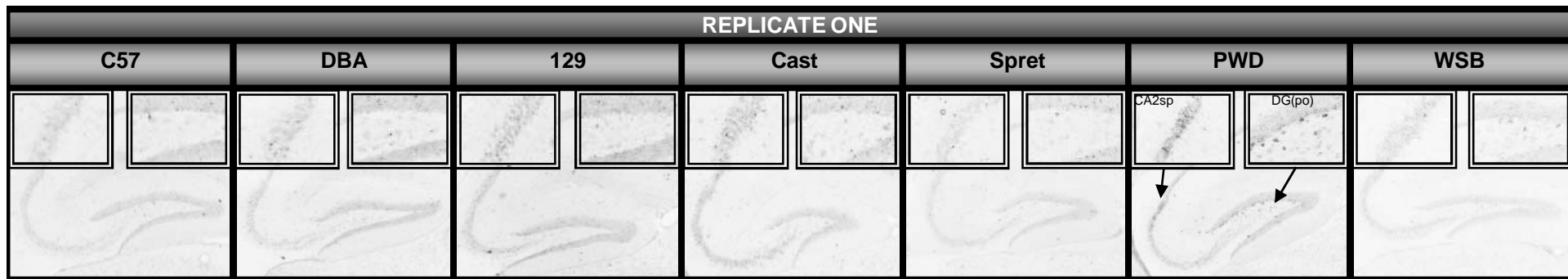
**COAp: Spret < ...**

---

*The Spret strain shows lower density of estrogen receptor alpha (Esr1) expression in the cortical amygdalar area, posterior part*

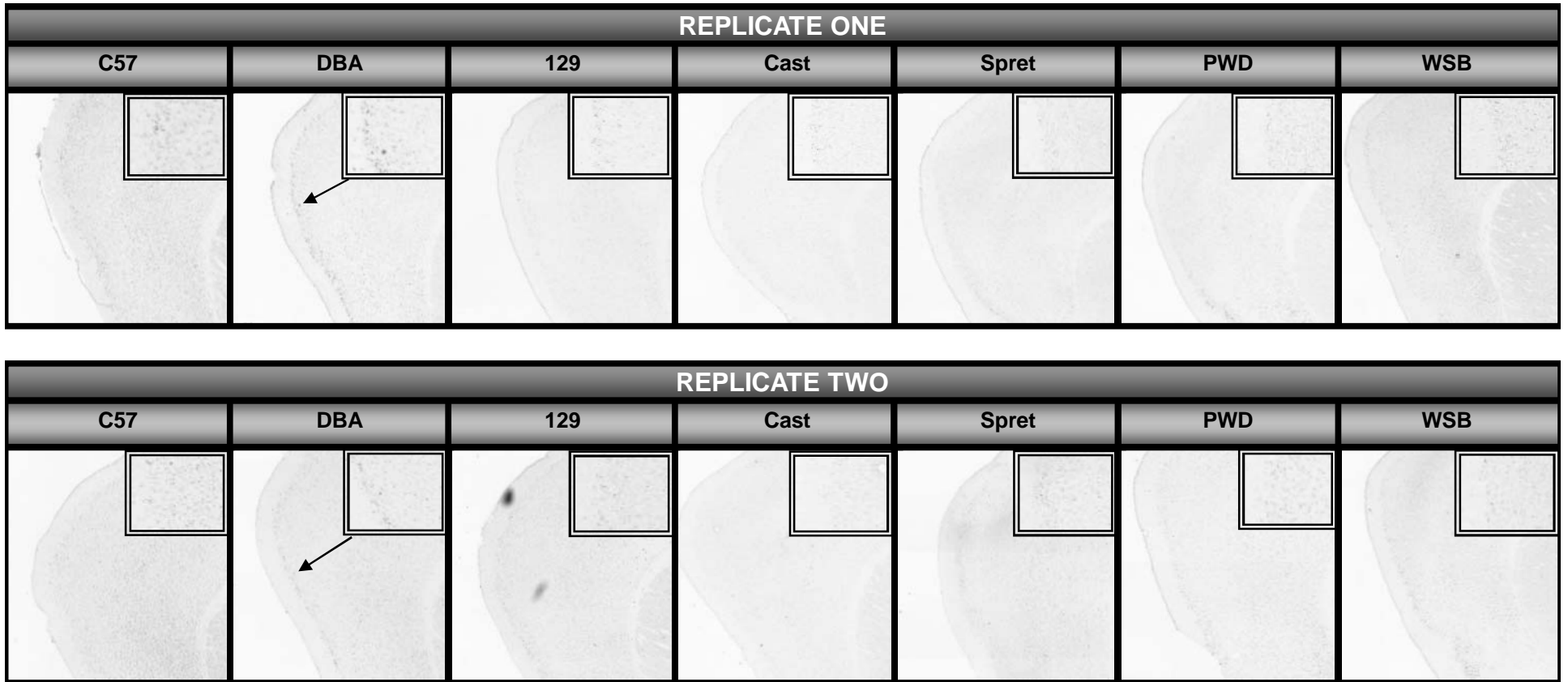
26a,b

## Esr1



**CA2sp, DG(po): ... < PWD**

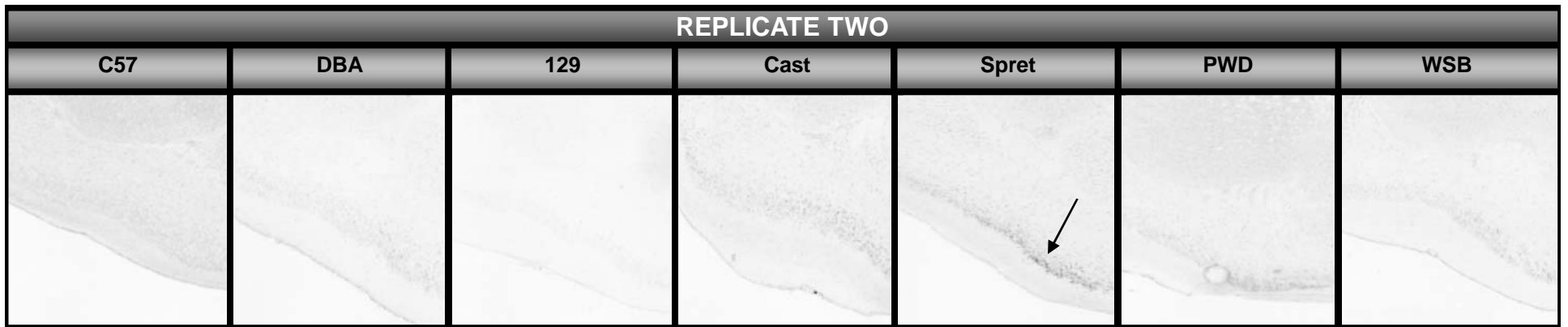
*The PWD strain shows greater density and intensity of estrogen receptor alpha (Esr1) expression in the cornu ammonis field 2, pyramidal layer and dentate gyrus, polymorph layer*

**Esr1**

**MO(2/3): ... < DBA**

---

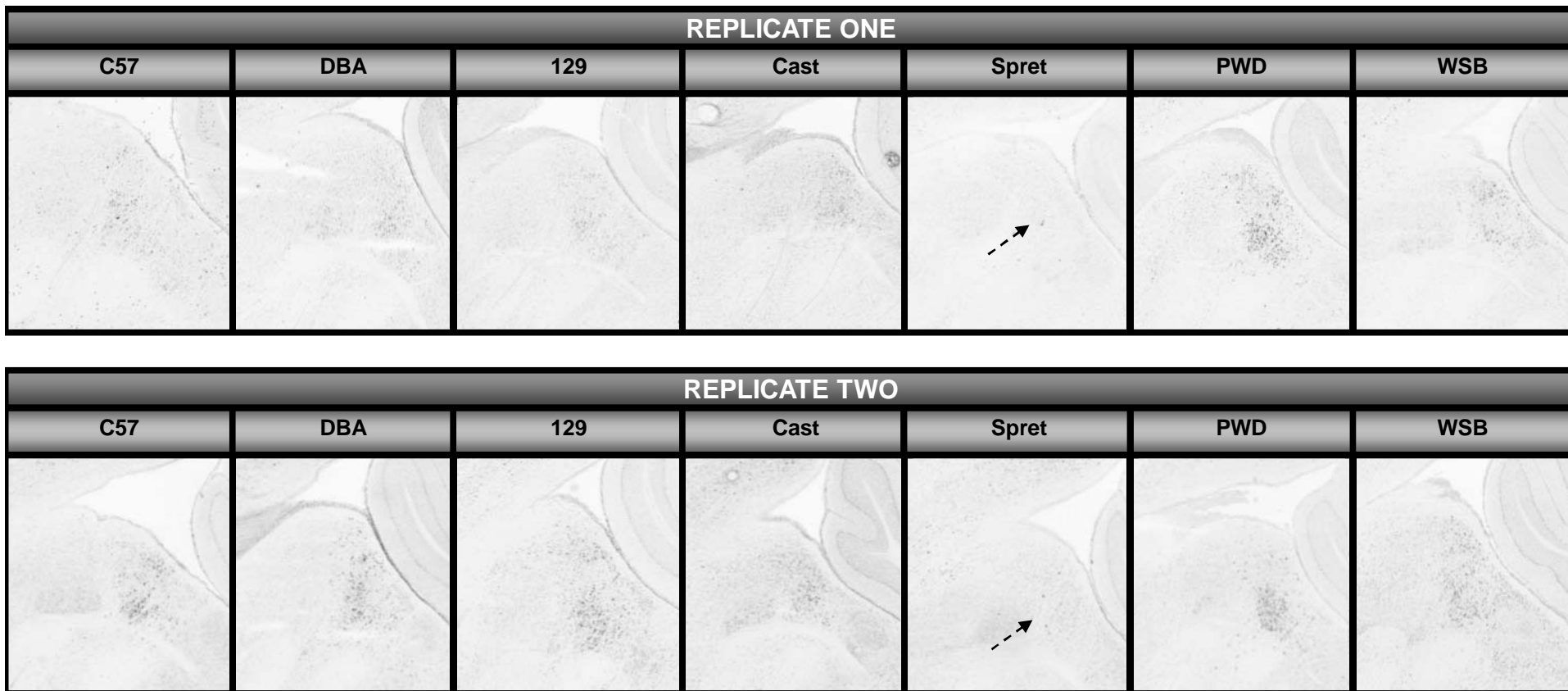
*The DBA strain shows greater density and intensity of estrogen receptor alpha (Esr1) expression in the superficial portion of layer 2/3 of the motor cortex*

**Esr1**

**PIR(2): ... < Spret**

---

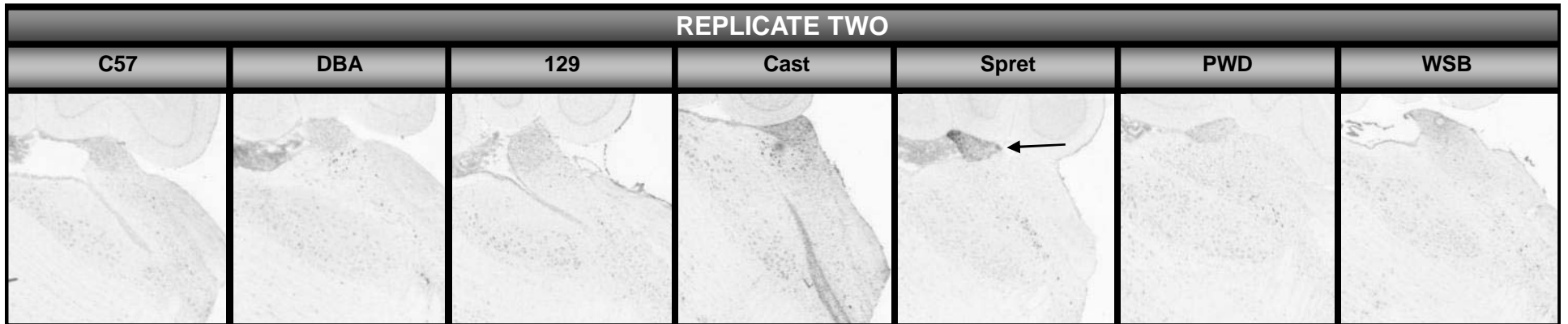
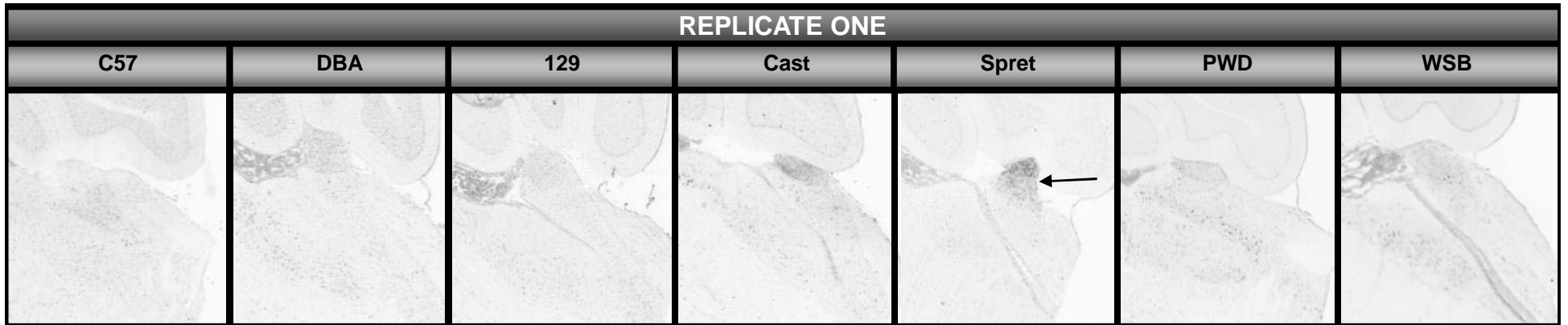
*The Spret strain shows greater density and intensity of estrogen receptor alpha (Esr1) expression in the piriform area, pyramidal layer*

**Esr1**

DR: Spret < ...

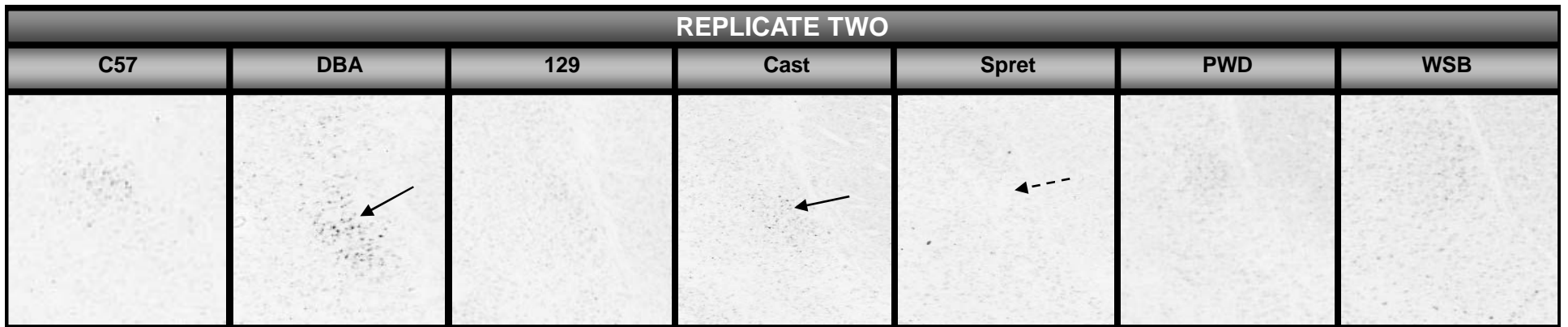
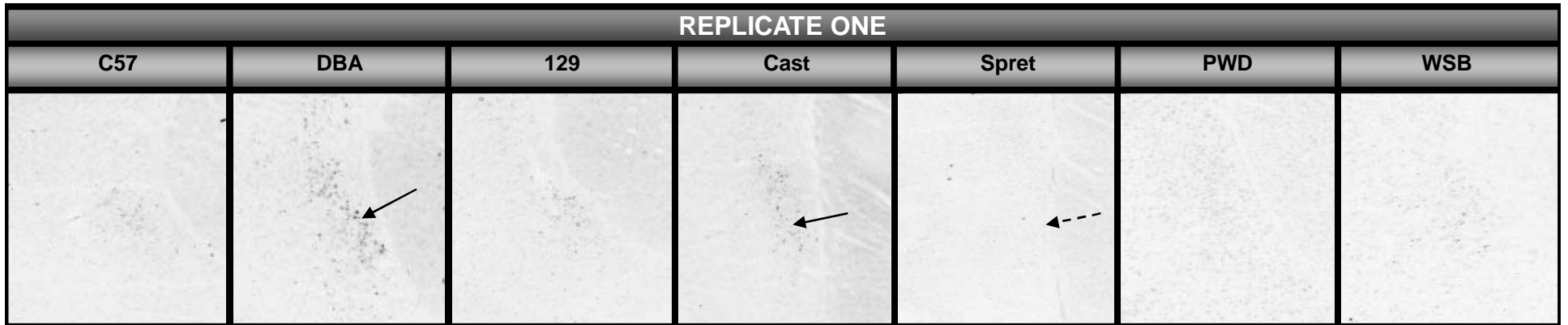
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*The Spret strain shows lower density and intensity of estrogen receptor alpha (Esr1) expression in the dorsal nucleus raphé*

**Esr1**

AP: ... < Spret

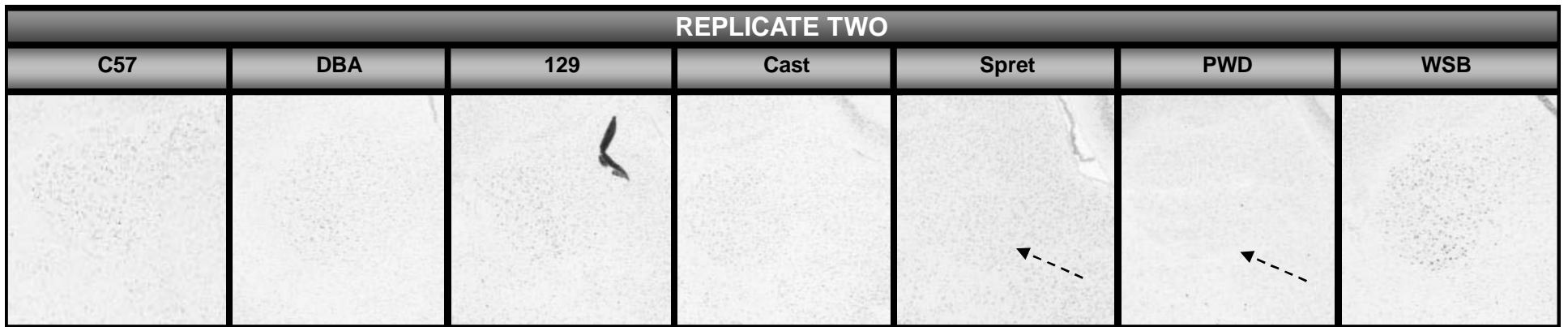
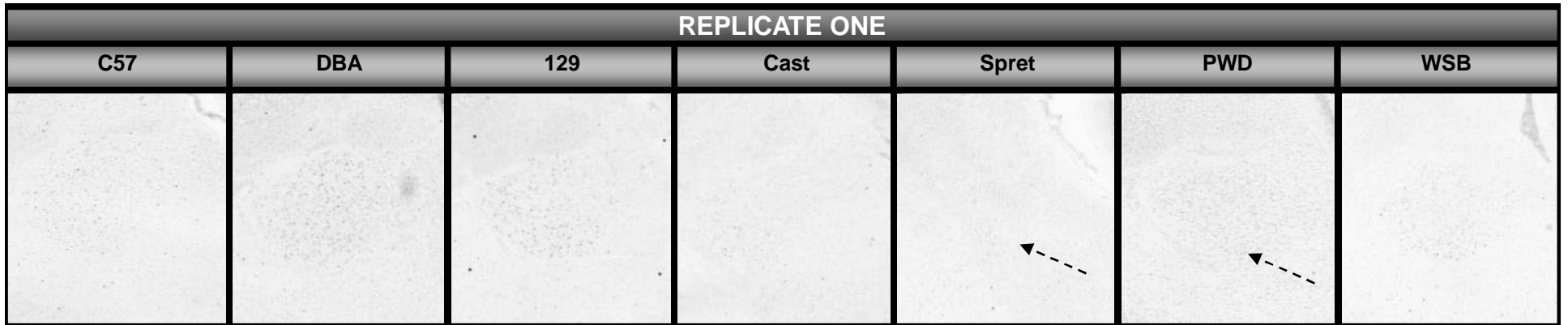
*The Spret strain shows greater density and intensity of estrogen receptor alpha (Esr1) expression in the area postrema*

**Esr2**

**CLA: Spret < ... < DBA, Cast**

*The Spret strain shows lower density and intensity of estrogen receptor beta (Esr2) expression in the claustrum; the DBA and Cast strains show greater*

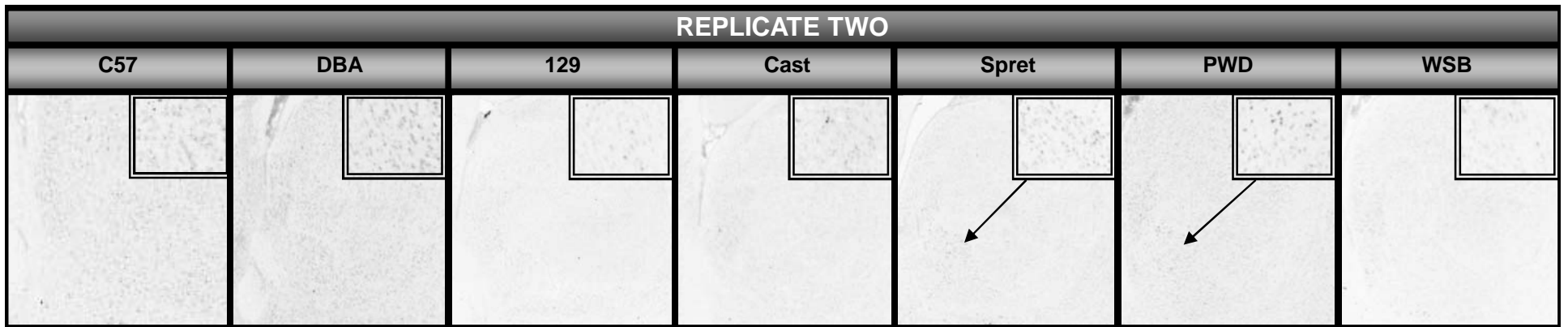
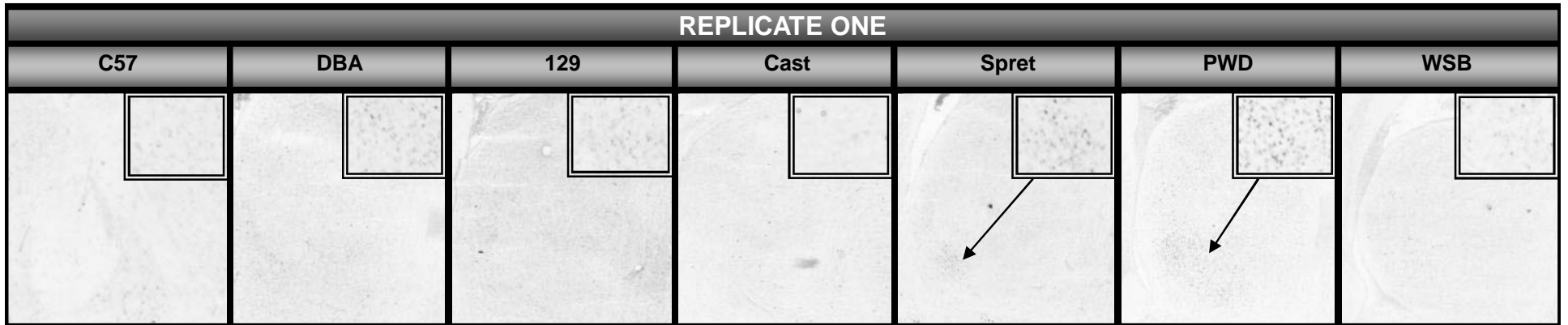


**Esr2**

**BLA: Spret, PWD < ...**

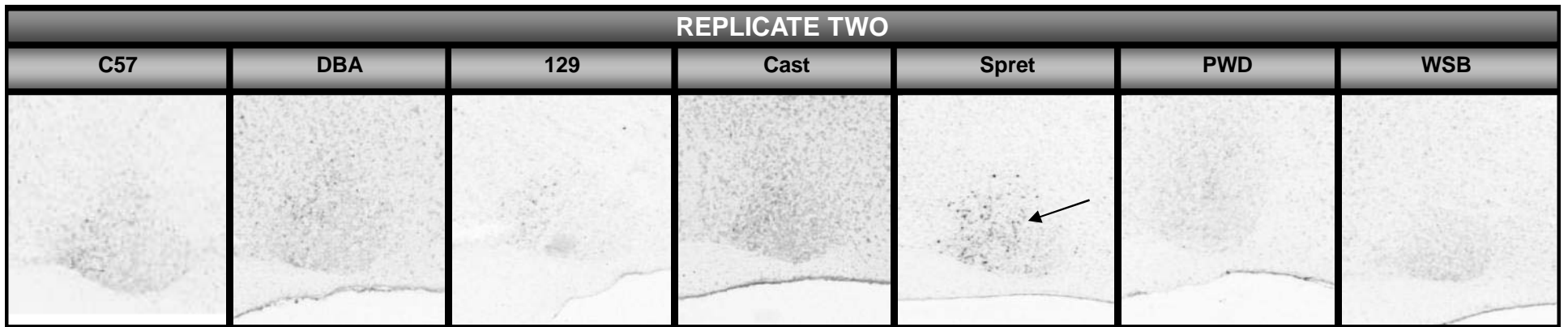
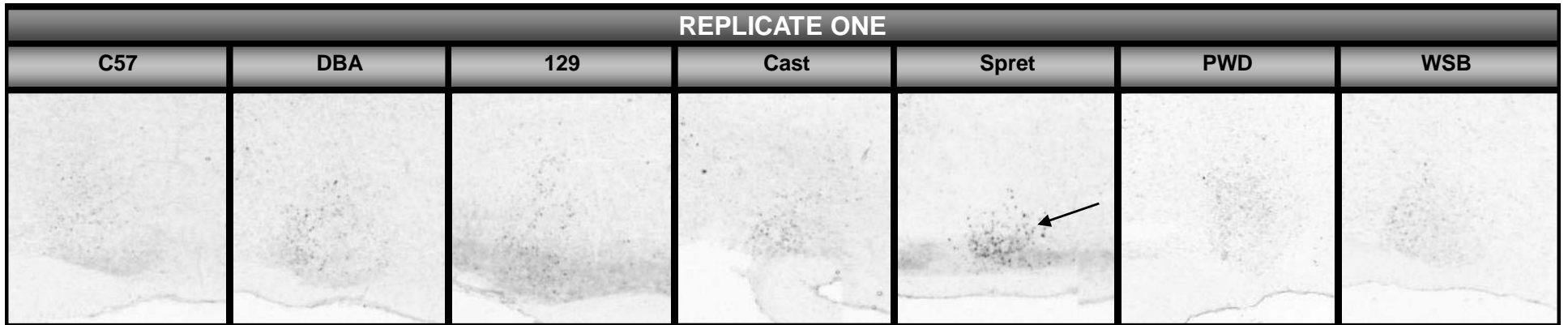
---

*The Spret and PWD strains show lower density and intensity of estrogen receptor beta (Esr2) expression in the basolateral amygdalar nucleus*

**Esr2**

RE: ... < Spret, PWD

*The Spret and PWD strains show greater density and intensity of estrogen receptor beta (Esr2) expression in the nucleus of neurons*

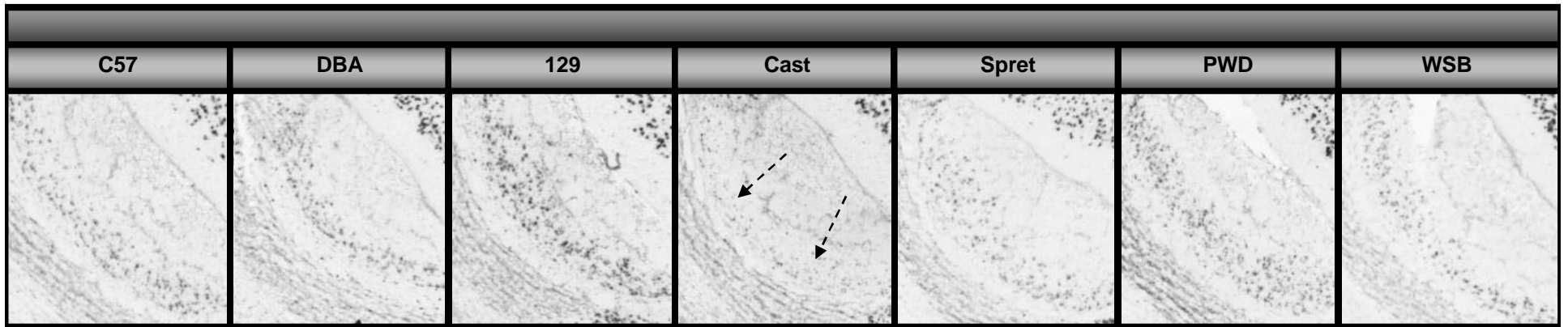
**Esr2**

**SCH: ... < Spret**

---

*The Spret strain shows greater density and intensity of estrogen receptor beta (Esr2) expression in the suprachiasmatic nucleus*

↙ ↘  
**Faah**

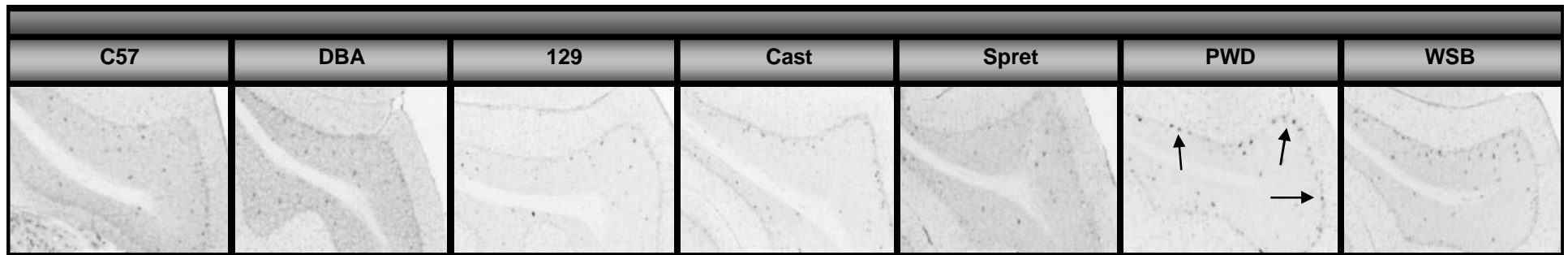


**AOBmi: Cast < ...**

---

*The Cast strain shows lower density and intensity of fatty acid amide hydrolase (Faah) expression in the accessory olfactory bulb, mitral layer*

## Gabra3

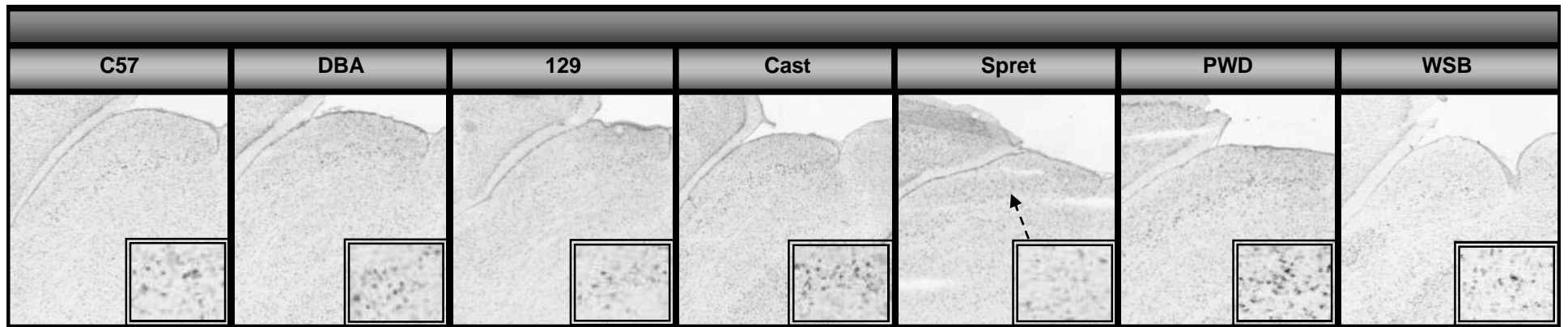


CBX(gr): ... < PWD

---

*The PWD strain shows greater density and intensity of gamma-aminobutyric acid receptor, subunit alpha 3 (Gabra3) expression in the superficial portion of the cerebellar cortex granule layer*

## Gabrb1

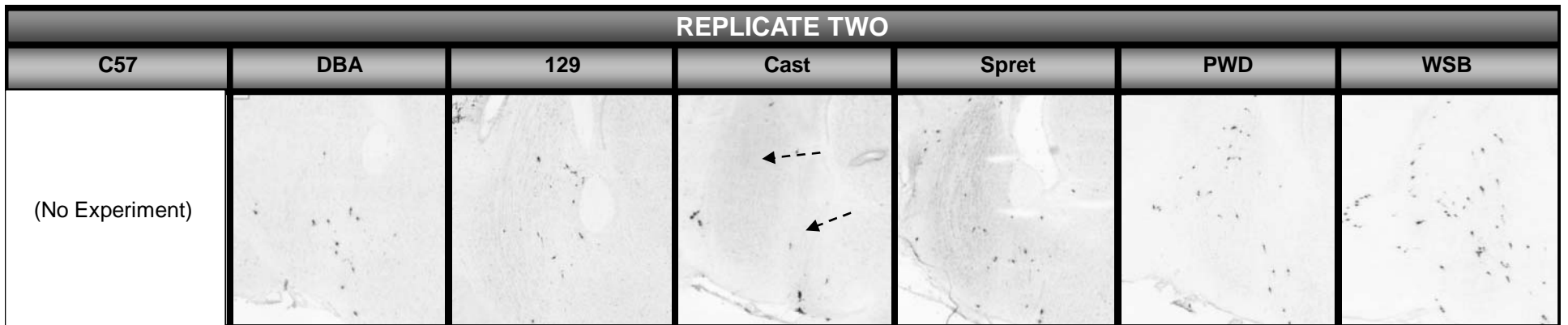
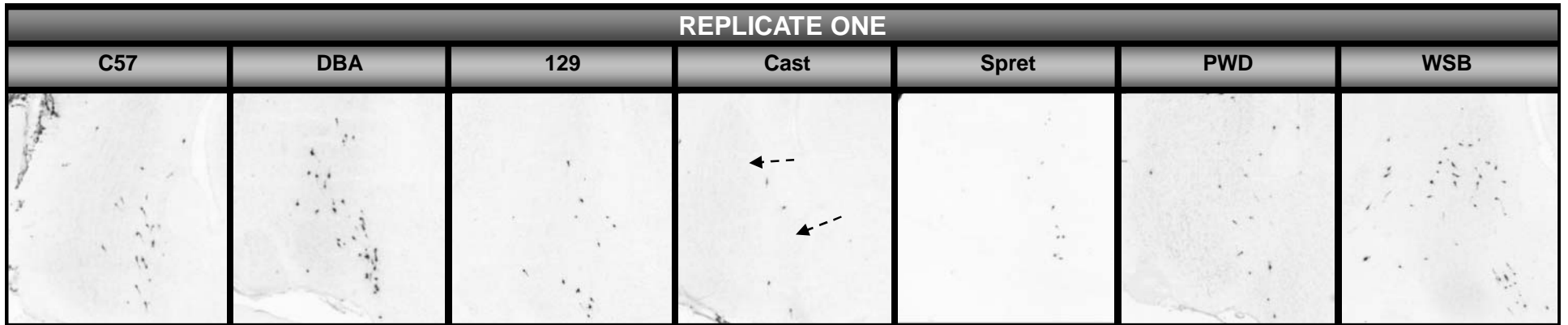


SCs: Spret < ...

---

*The Spret strain shows lower density and intensity of gamma-aminobutyric acid receptor, subunit beta 1 (Gabrb1) in the superior colliculus, sensory related*

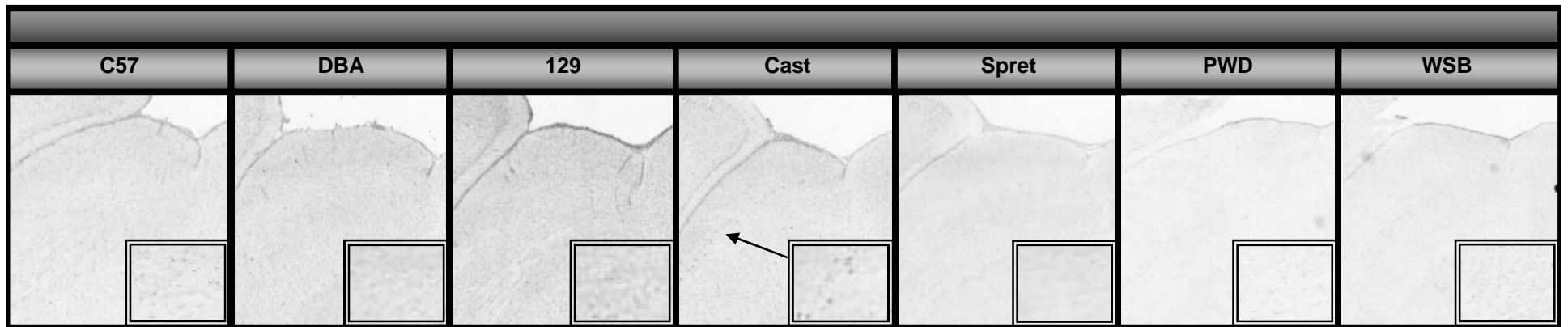
## Gnrh1



**MPO: Cast < ...**

*The Cast strain shows lower density of gonadotropin releasing hormone 1 (Gnrh1) expression in the medial preoptic area*

## Hrh1

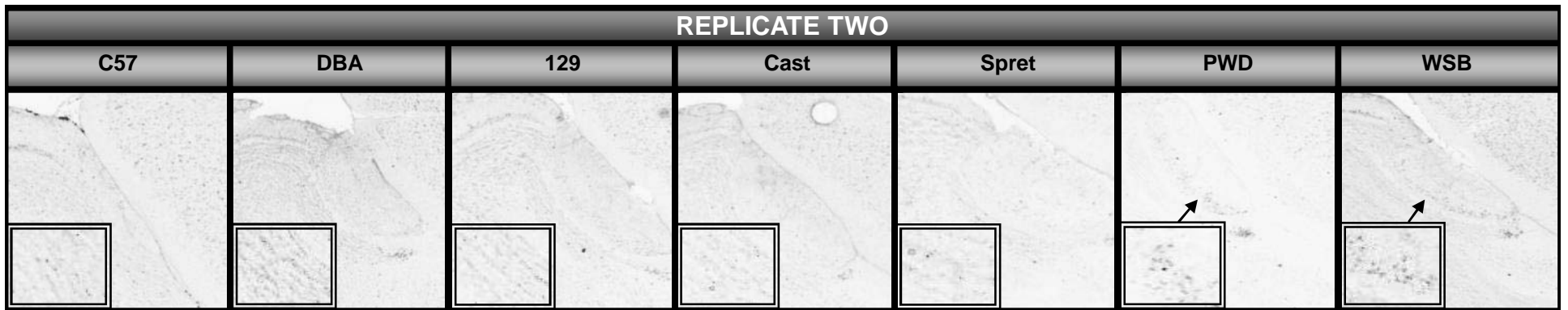
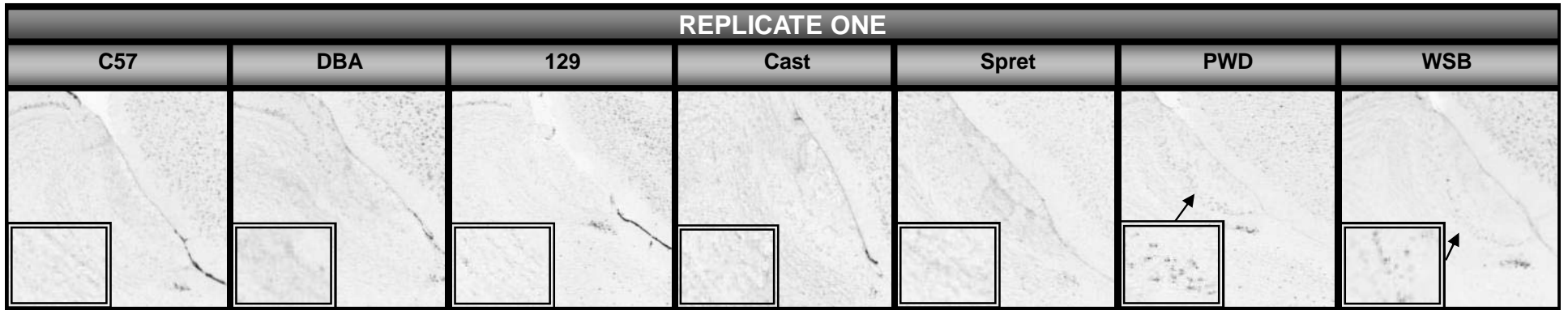


SCs: ... < Cast

---

*The Cast strain shows greater density and intensity of histamine receptor H 1 (Hrh1) expression in the superior colliculus, sensory related*

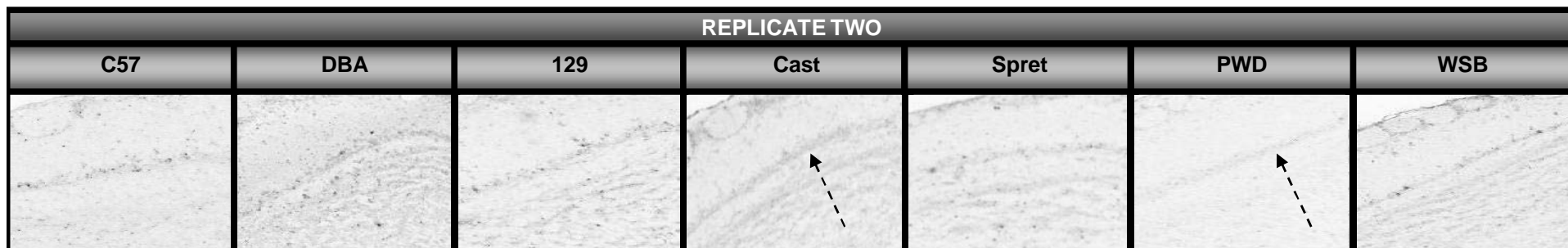
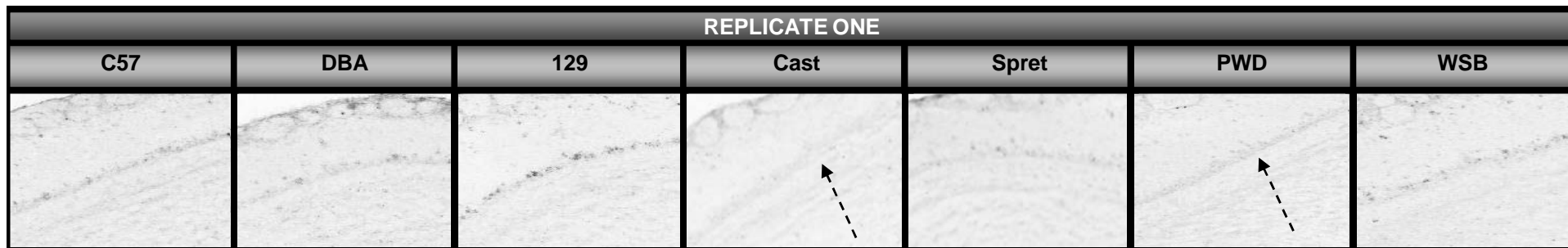


**Htr1a**

**AOB: ... < PWD, WSB**

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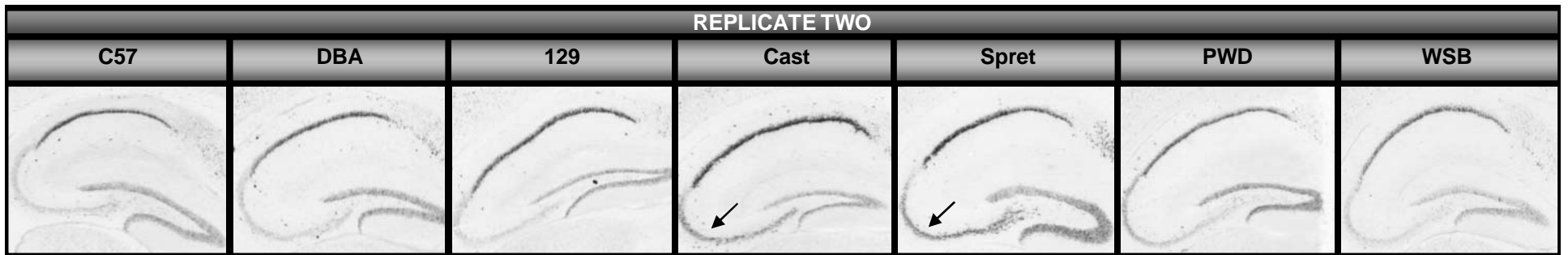
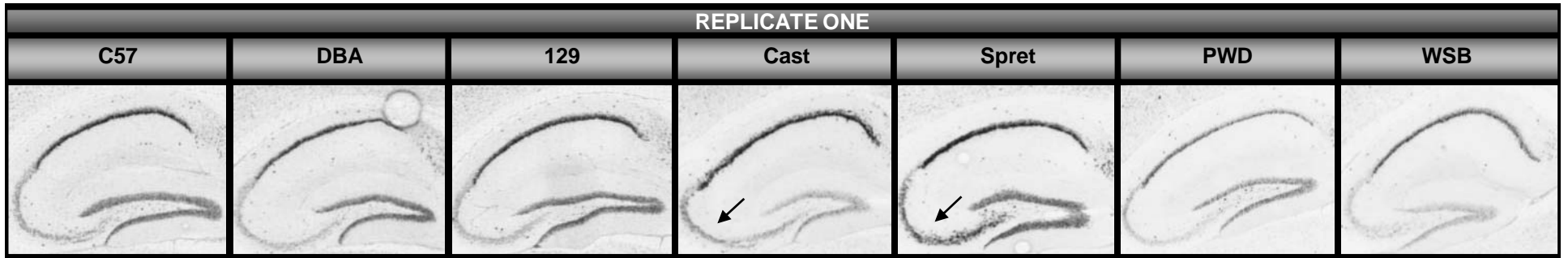
*The PWD and WSB strains show greater density and intensity of 5-hydroxytryptamine receptor 1A (Htr1a) expression in the accessory olfactory bulb*

**Htr1a**

**MOBmi: Cast, PWD < ...**

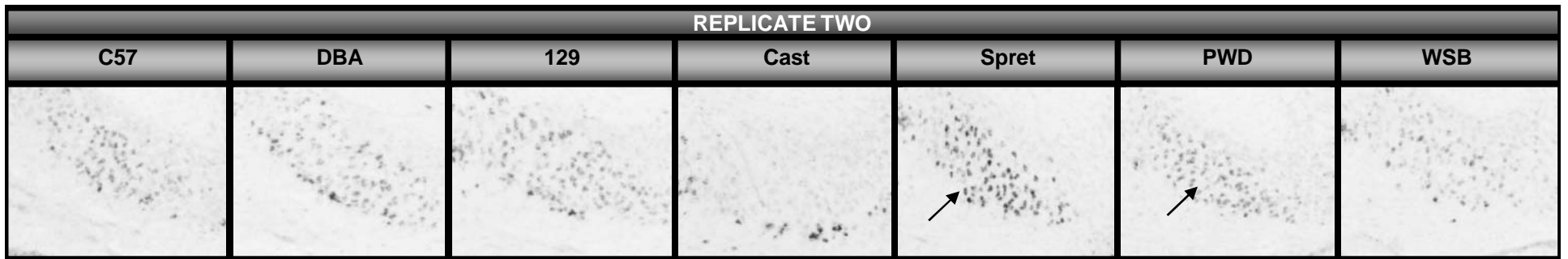
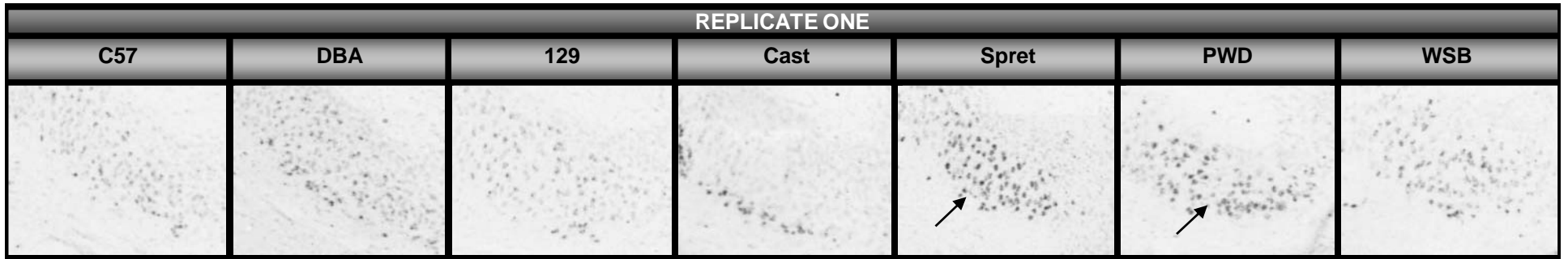
---

*The Cast and PWD strains show lower density and intensity of 5-hydroxytryptamine receptor 1A (Htr1a) expression in the main olfactory bulb, mitral layer*

**Htr1a**

**CA3sp: ... < Spret, Cast**

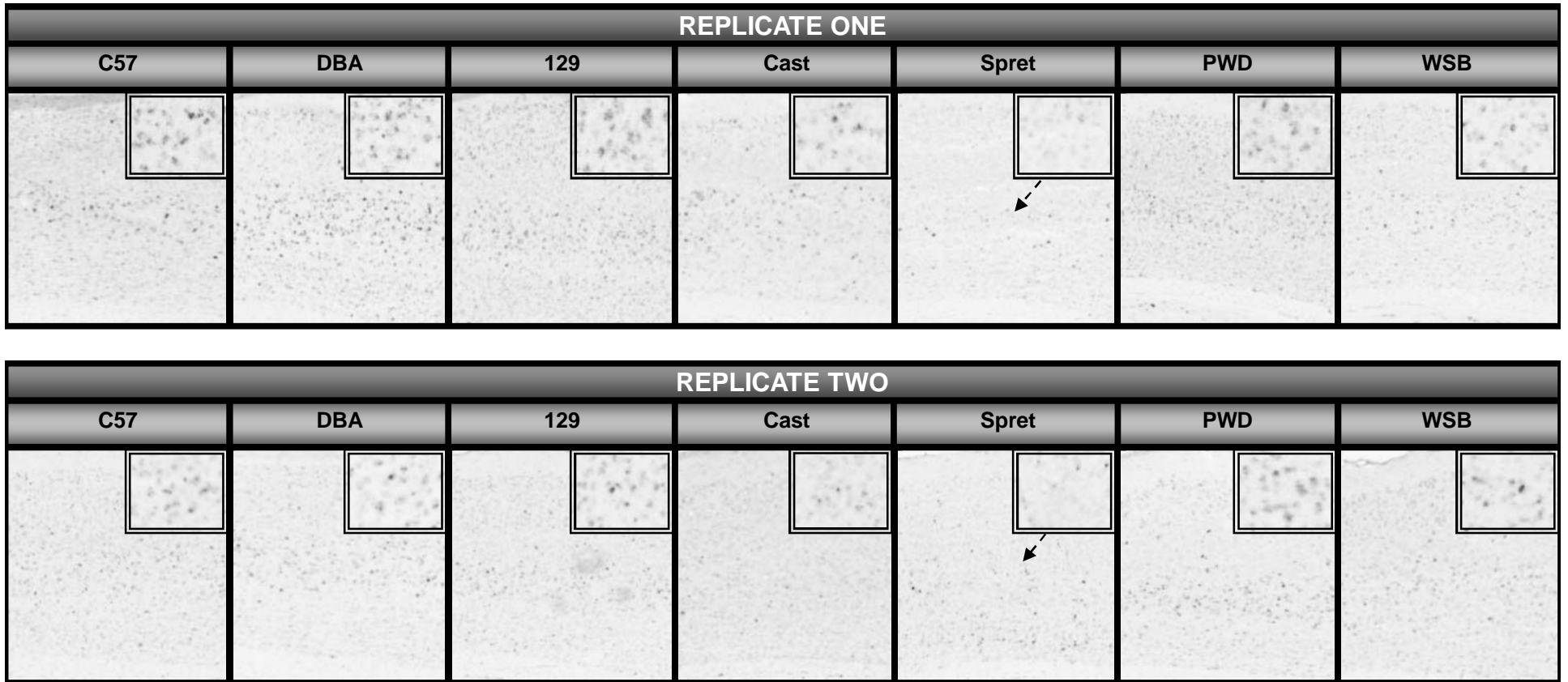
*The Spret and Cast strains show greater density and intensity of 5-hydroxytryptamine receptor 1A (Htr1a) expression in the cornu ammonis field 3, pyramidal layer*

**Htr1a**

**SUB: ... < Spret, PWD**

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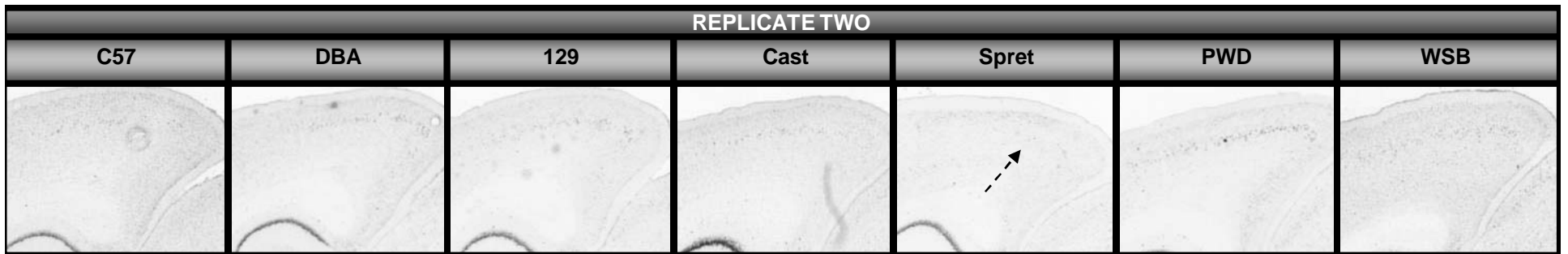
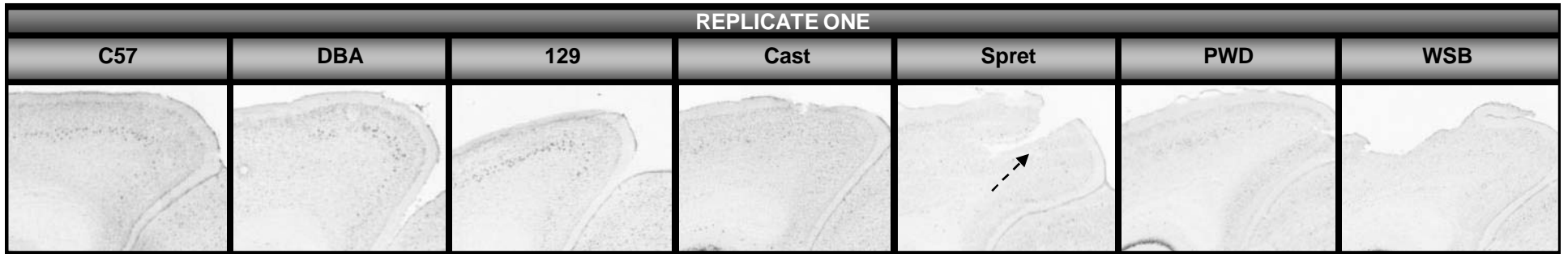
*The Spret and PWD strains show greater density and intensity of 5-hydroxytryptamine receptor 1A (Htr1a) expression in the subiculum*

**Htr1a**

**VIS(5): Spret < ...**

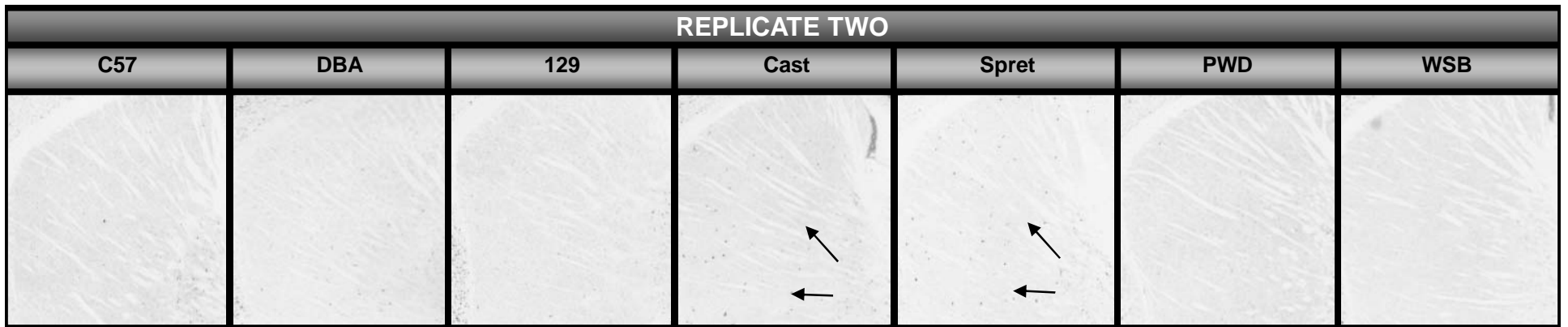
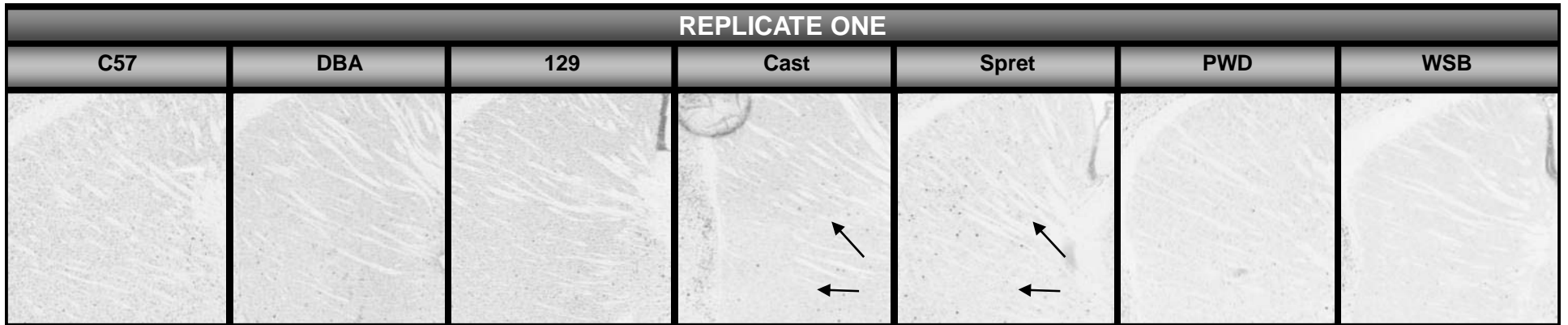
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*The Spret strain shows lower density of 5-hydroxytryptamine receptor 1A (Htr1a) expression in the underlying layer 5 cells (not large and scattered) of the visual cortex*

**Htr1a**

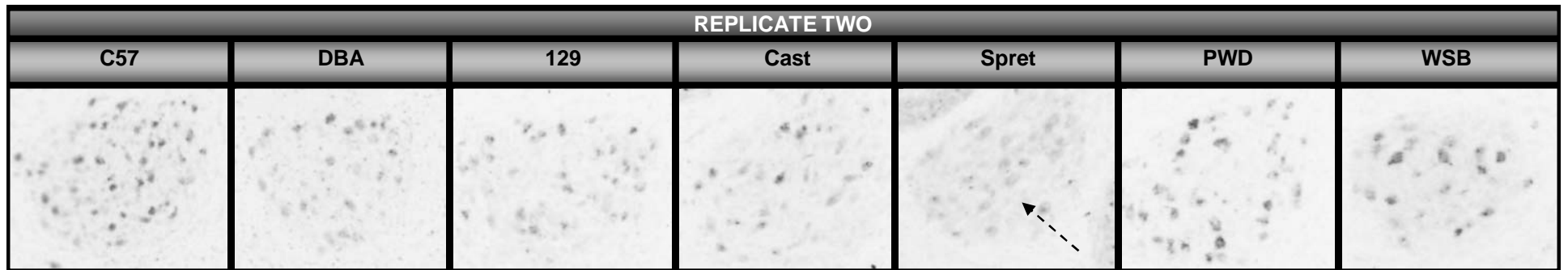
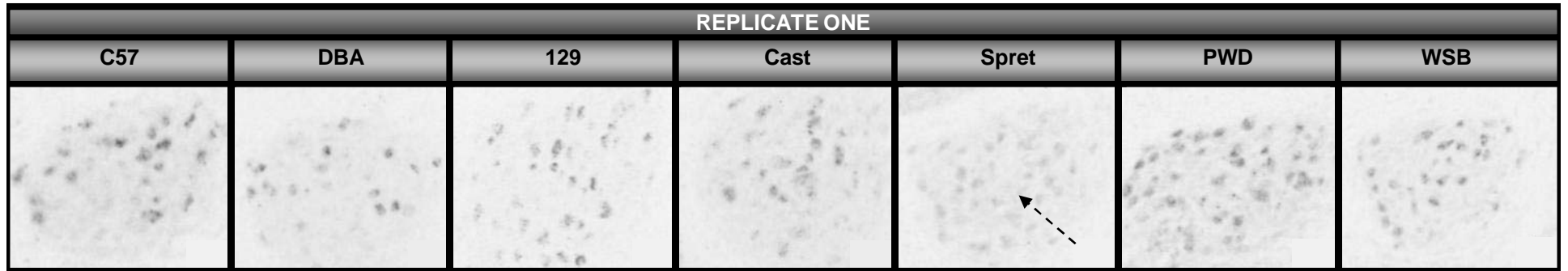
**RSPd(5): Spret < ...**

*The Spret strain shows lower density and intensity of 5-hydroxytryptamine receptor 1A expression (Htr1a) in layer 5 of the retrosplenial area, dorsal part*

**Htr1a**

CP: ... < Cast, Spret

*The Spret and Cast strains show greater density and intensity of 5-hydroxytryptamine receptor 1A (Htr1a) expression in the caudate putamen*

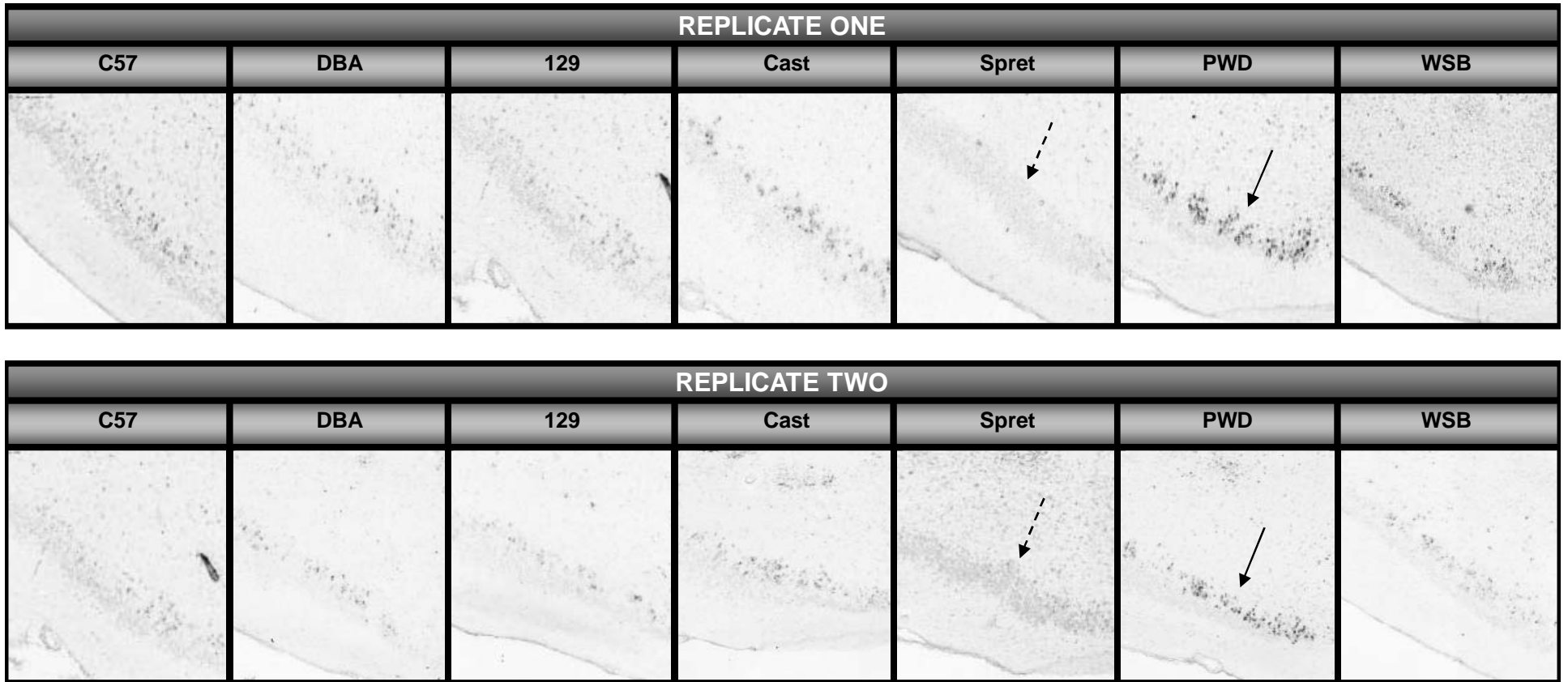
**Htr1a**

**FN: Spret < ...**

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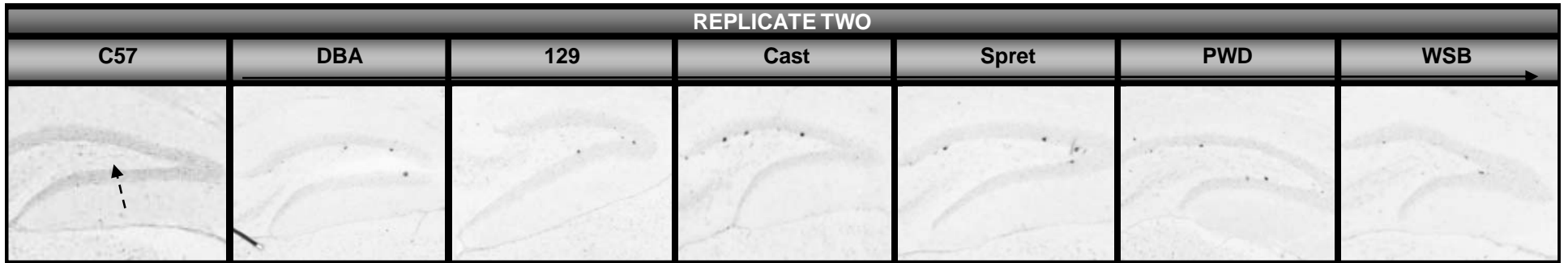
*The Spret strain shows lower density and intensity of 5-hydroxytryptamine (serotonin) receptor 1A (Htr1a) expression in the fastigial nucleus*



**Htr1b**

**PIR(2): Spret < ... < PWD**

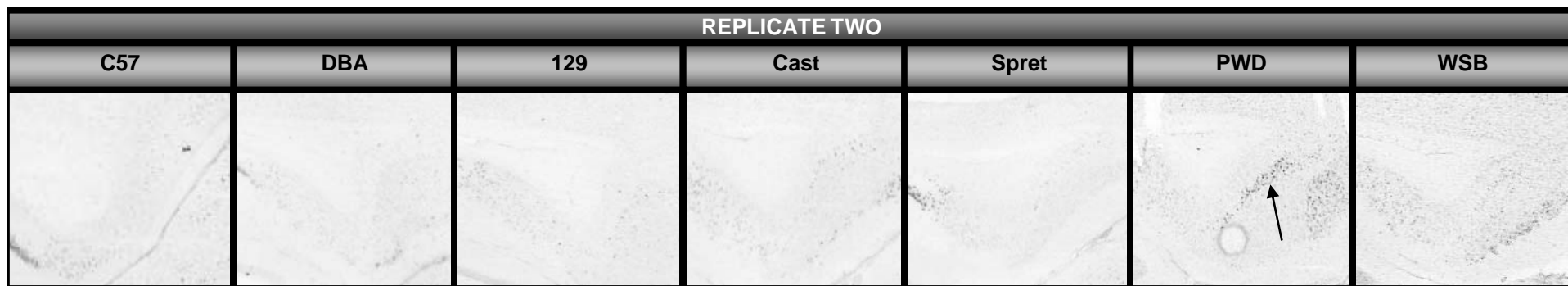
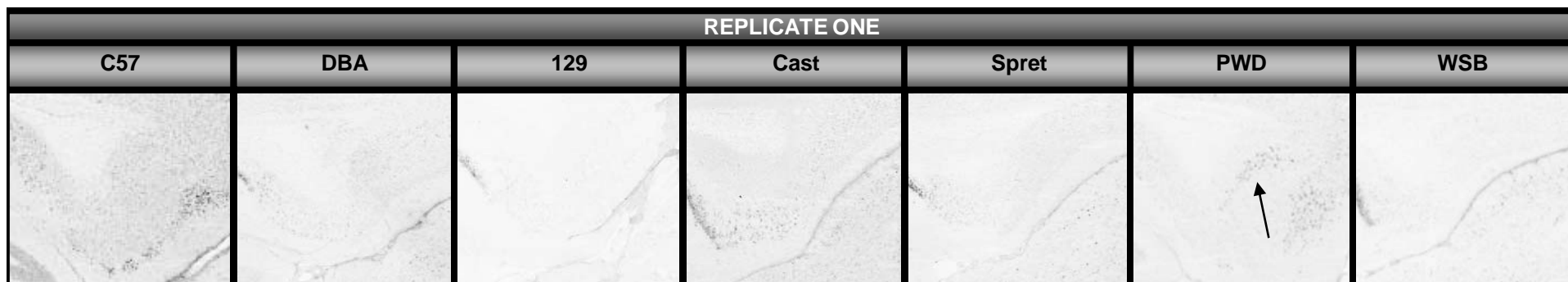
*The Spret strain shows lower density of 5-hydroxytryptamine receptor 1B (Htr1b) expression in the piriform area, pyramidal layer; the PWD strain shows greater*

**Htr1b**

DG(po): C57 < ...

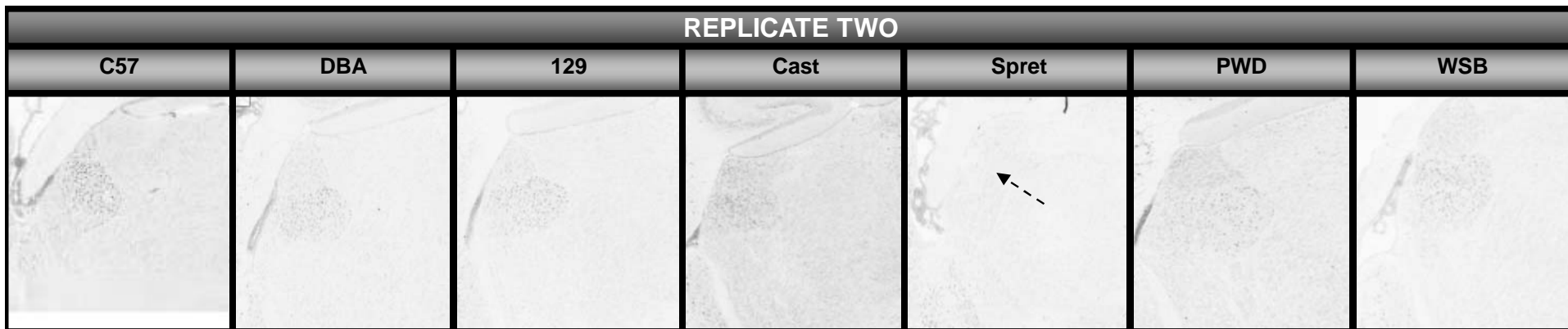
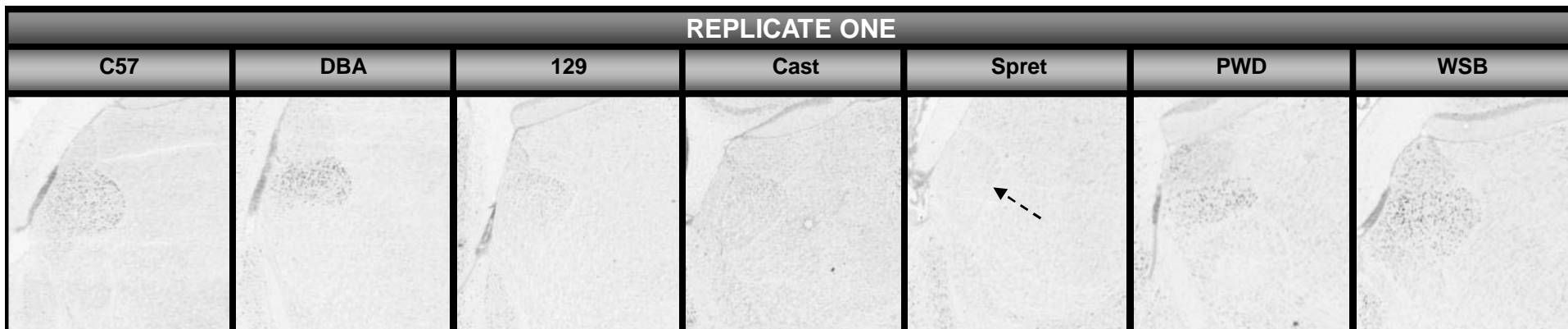
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*The C57 strain shows lower density of 5-hydroxytryptamine receptor 1B (Htr1b) expression in the dentate gyrus, polymorph layer*

**Htr1b****POST: ... < PWD**

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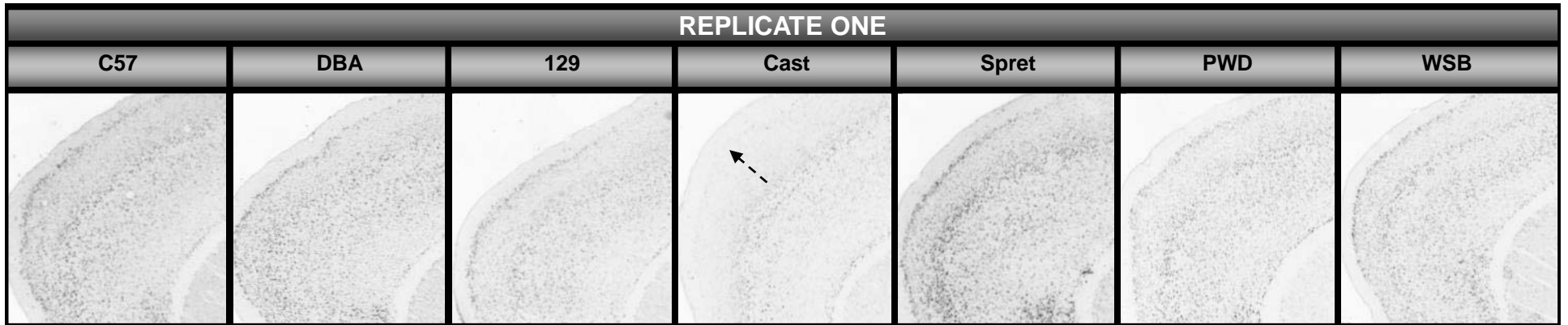
*The PWD strain shows greater density and intensity of 5-hydroxytryptamine receptor 1B (Htr1b) expression in the postsubiculum*

**Htr1b**

**AV: Spret < ...**

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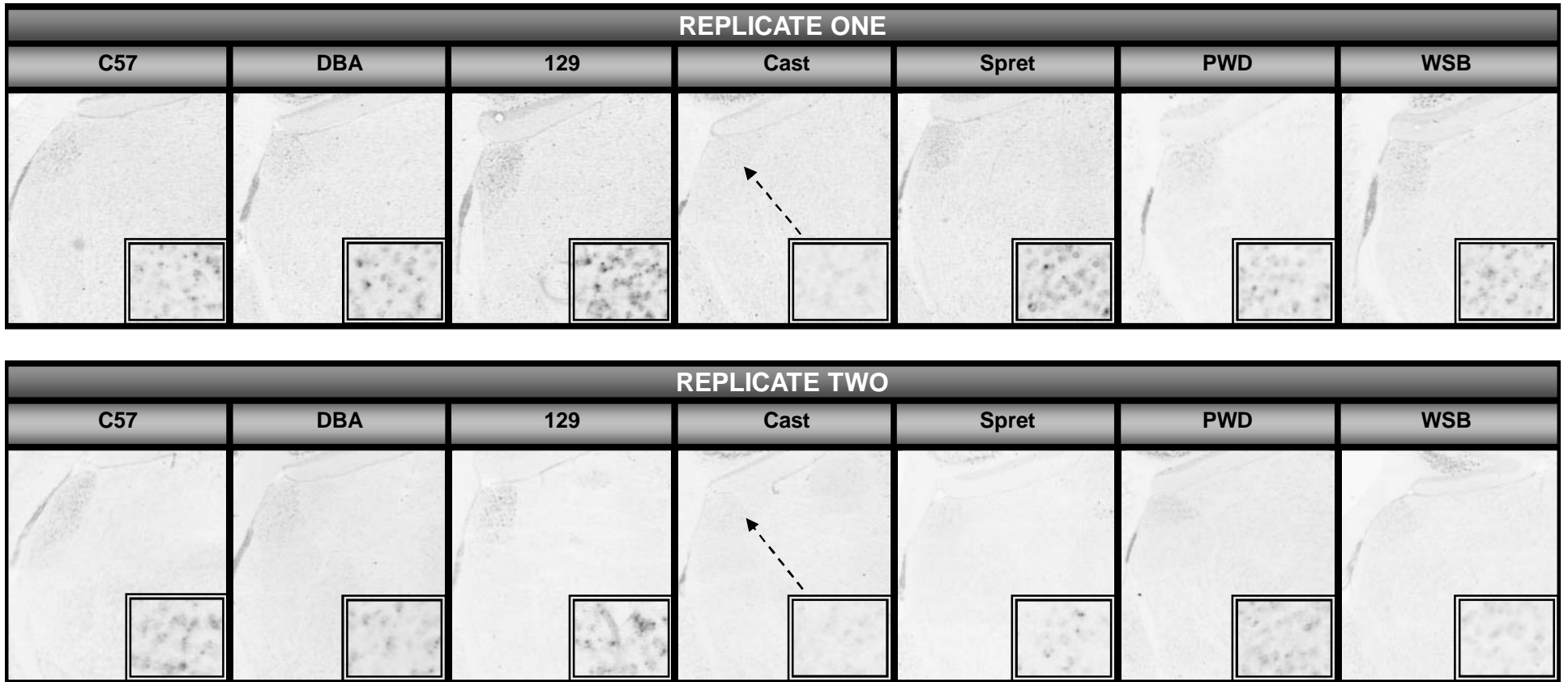
*The Spret strain shows lower density and intensity of 5-hydroxytryptamine receptor 1B (Htr1b) expression in the anteroventral nucleus of thalamus*

**Htr2a**

**MO(2/3): Cast < ...**

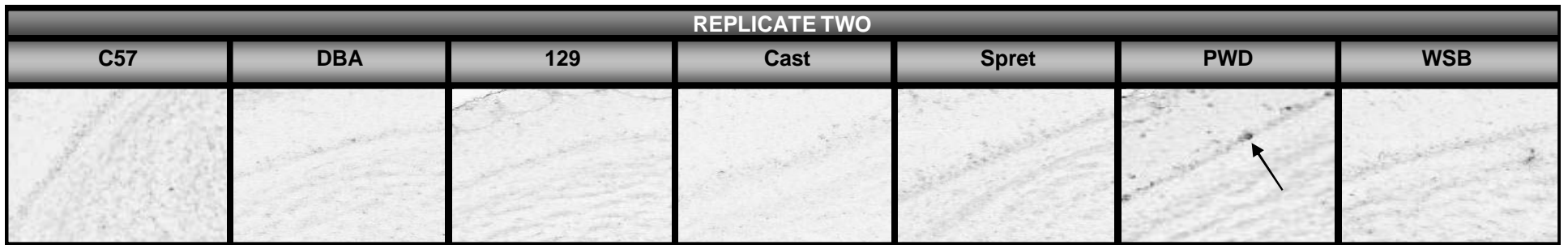
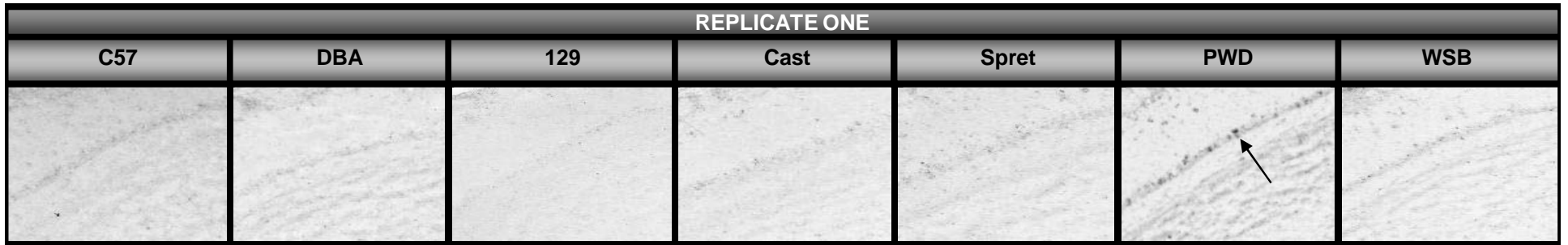
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*The Cast strain shows lower density and intensity of 5-hydroxytryptamine receptor 2A (Htr2a) expression in the superficial portion of layer 2/3 of the motor cortex*

**Htr2a**

**AD: Cast < ...**

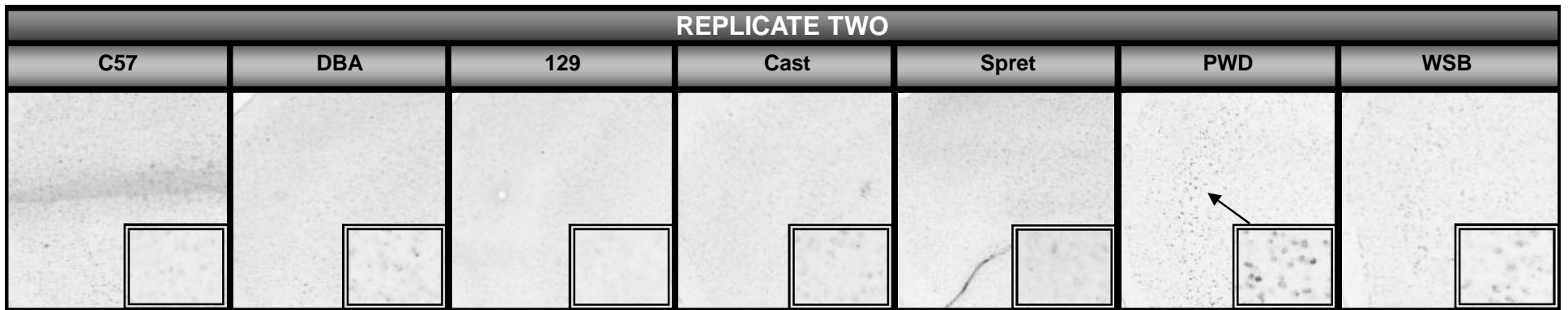
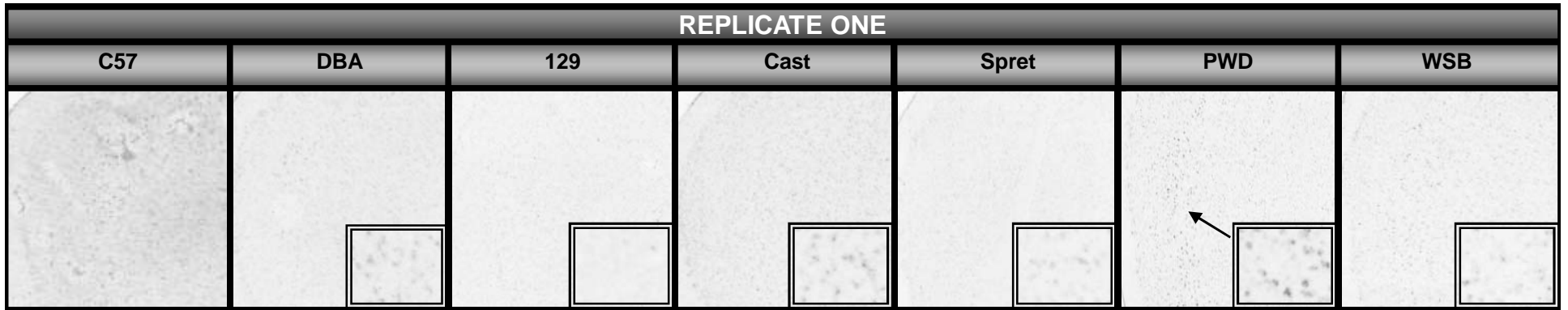
*The Cast strain shows lower density and intensity of 5-hydroxytryptamine receptor 2A (Htr2a) expression in the anterodorsal nucleus of thalamus*

**Maob**

**MOBmi: ... < PWD**

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*The PWD strain shows greater density and intensity of monamine oxidase B (Maob) expression in the main olfactory bulb, mitral layer*

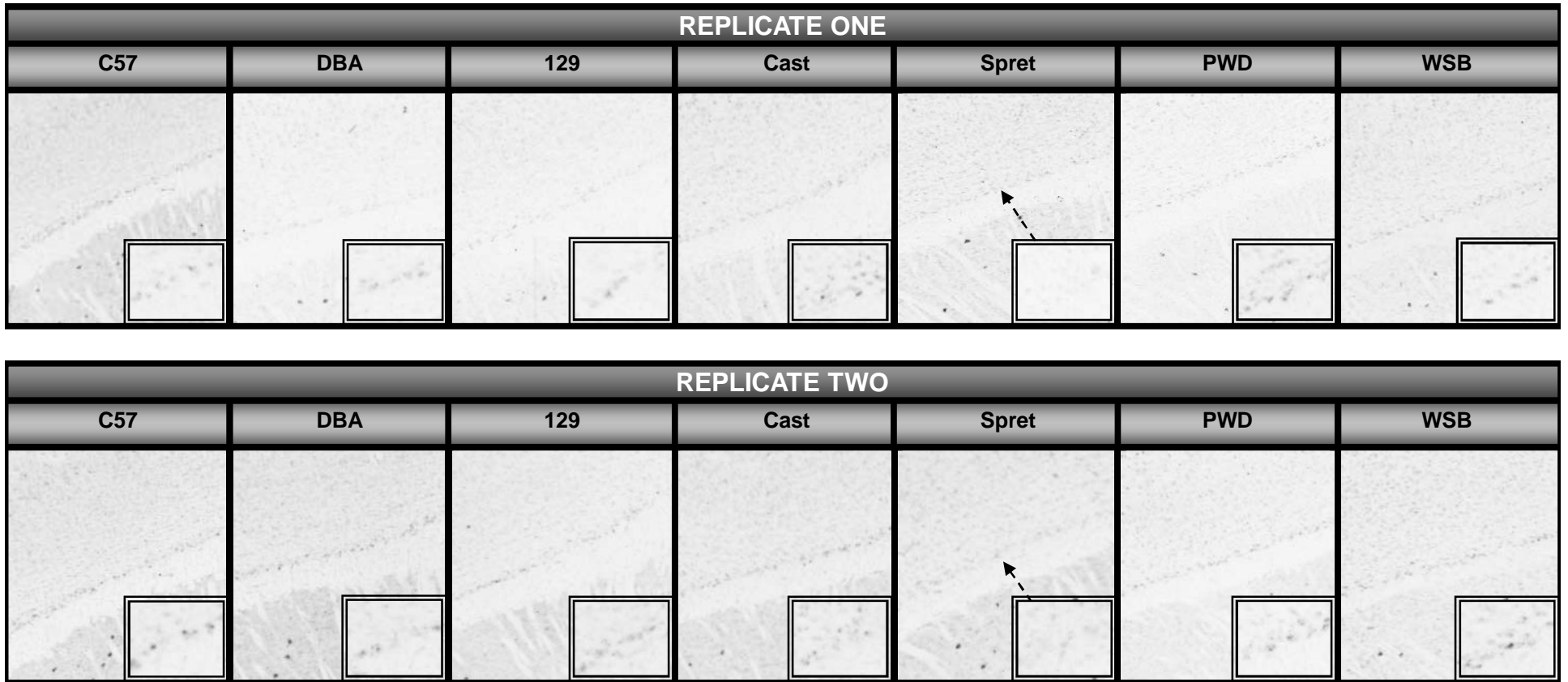
**Maob**

**MO(2/3): ... < PWD**

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*The PWD strain shows greater density and intensity of monamine oxidase B (Maob) expression in the deep portion of layer 2/3 of anterior, ventral motor cortex*

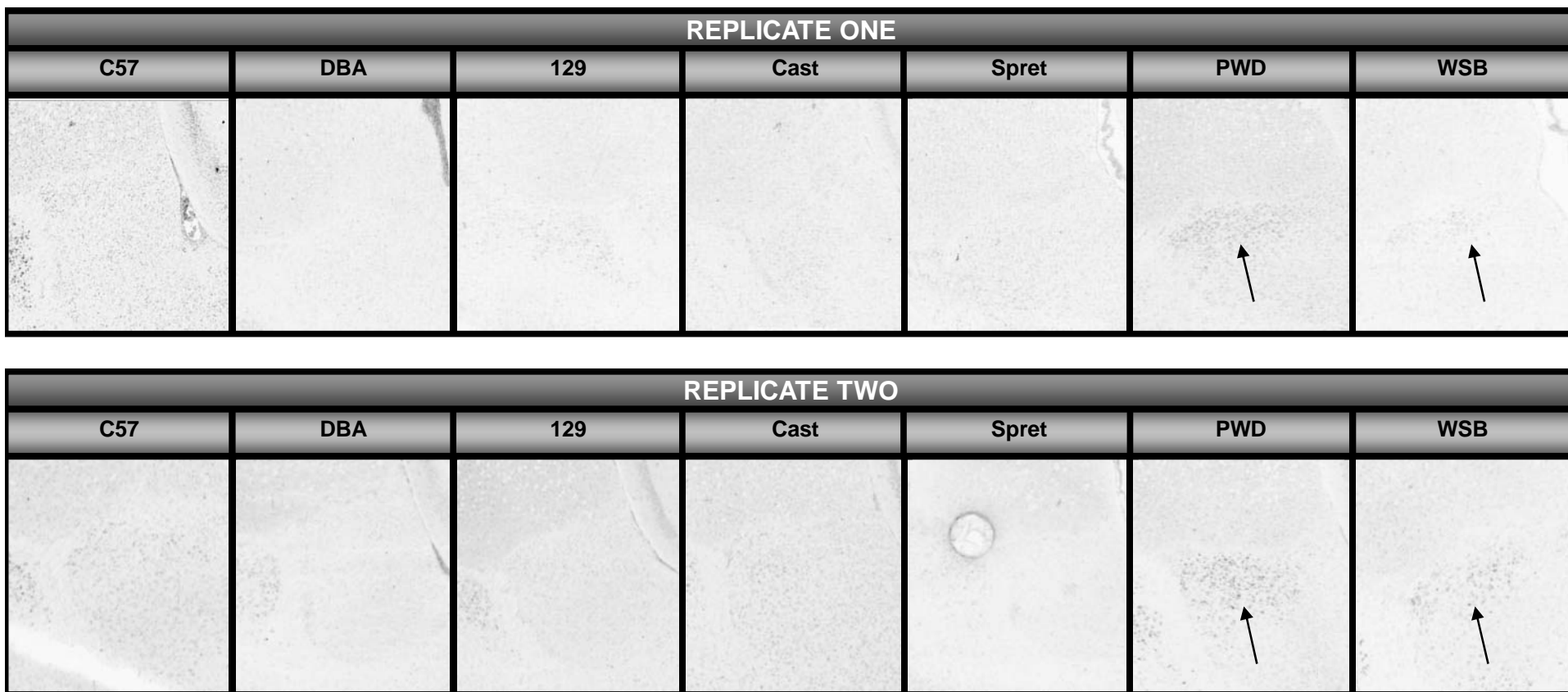


**Maob**

**CTX(6b): Spret < ...**

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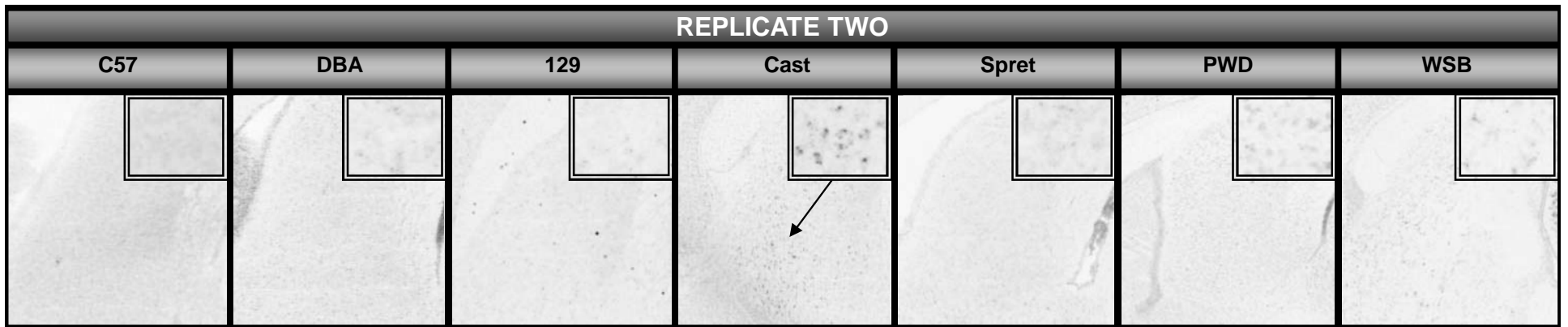
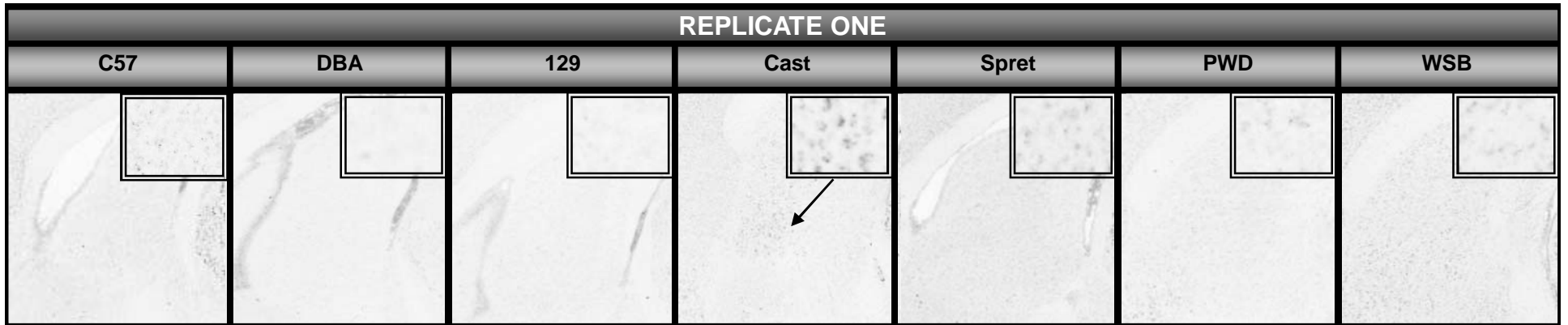
*The Spret strain shows lower density and intensity of monamine oxidase B (Maob) expression in the cortical subplate, layer 6b*

**Maob**

**LA: ... < PWD, WSB**

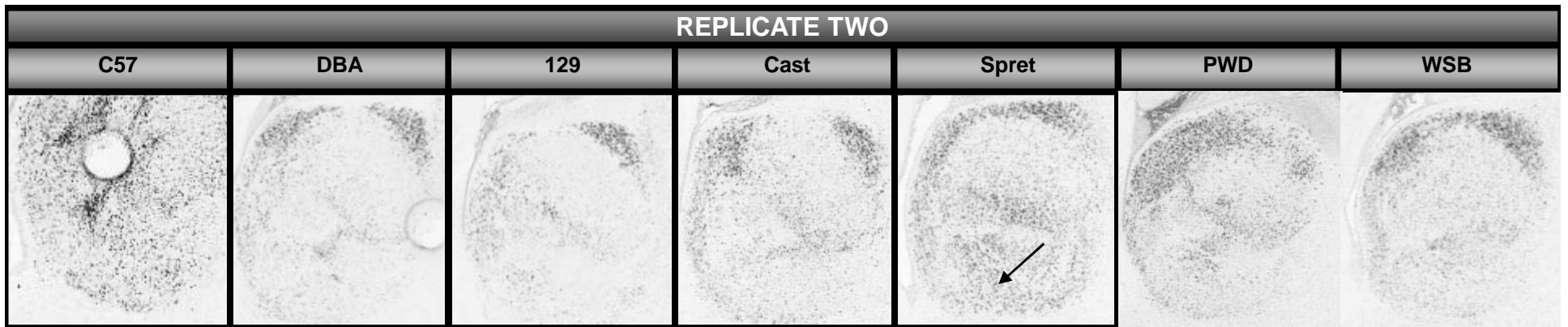
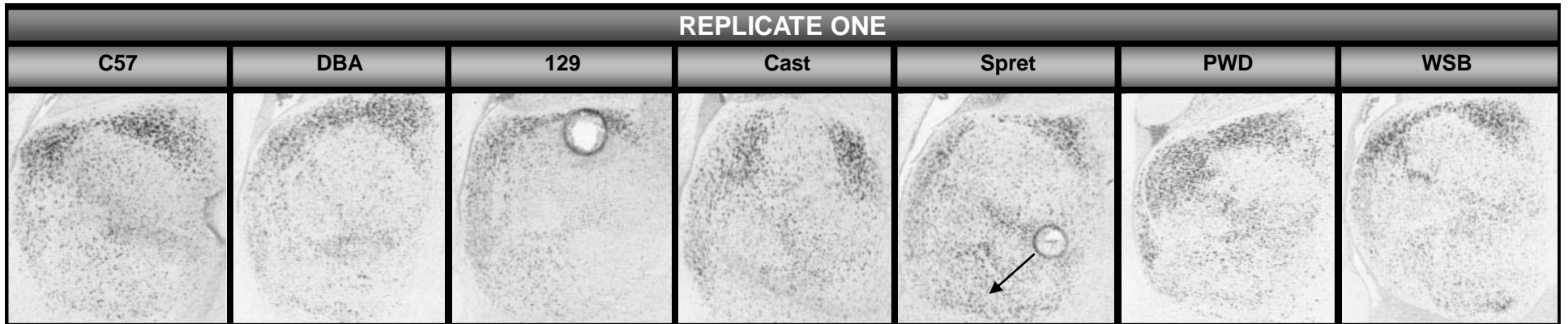
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*The PWD and WSB strains show greater density and intensity of monamine oxidase B (Maob) expression in the lateral amygdalar nucleus*

**Maob**

LSr: ... < Cast

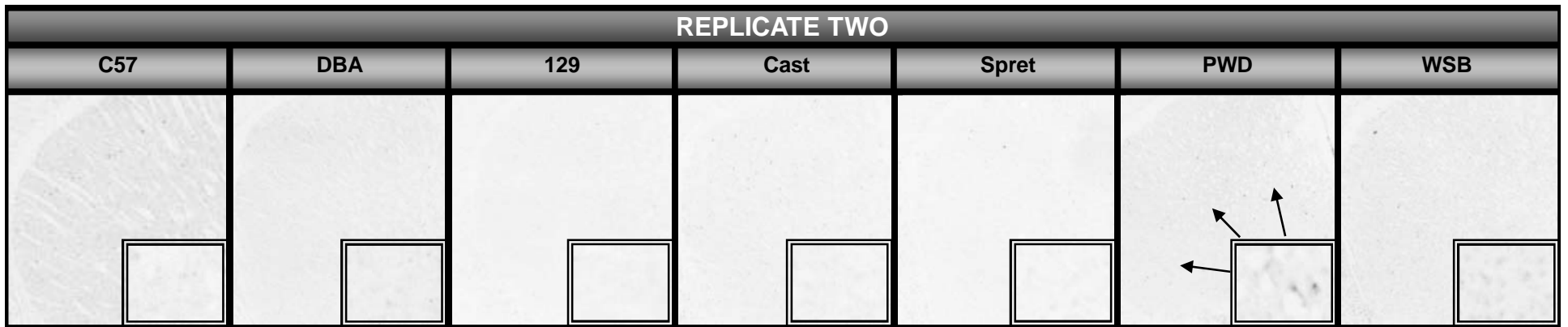
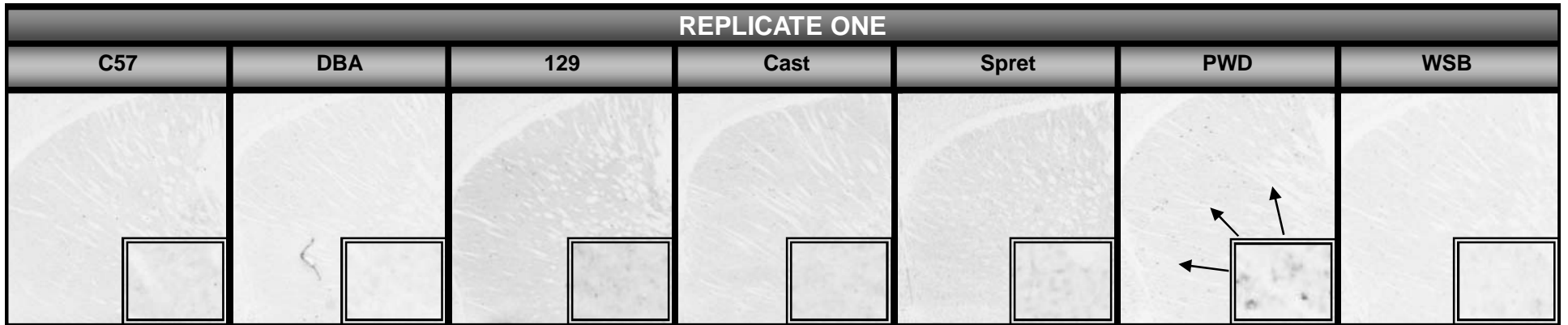
*The Cast strain shows greater density and intensity of monamine oxidase B (Maob) expression in the lateral septal nucleus, rostral part*

**Maob**

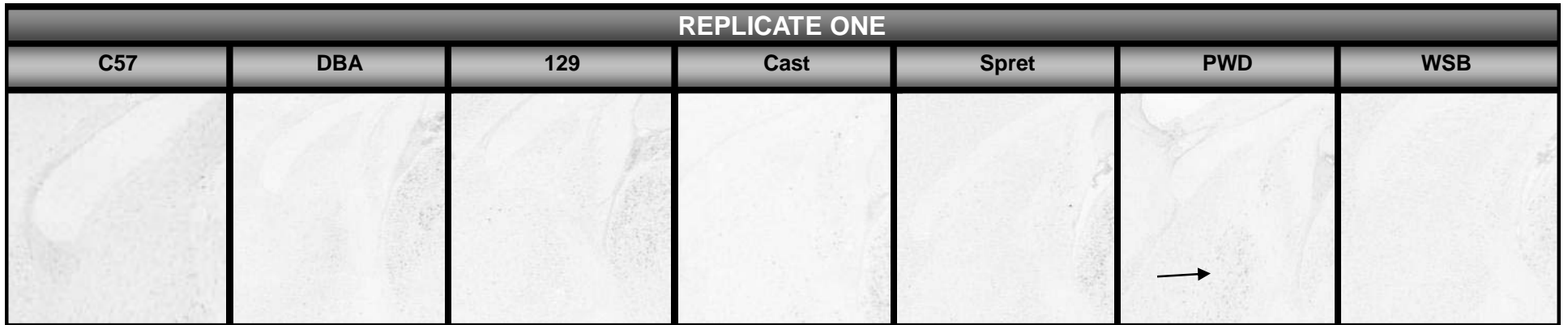
RE: ... < Spret

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*The Spret strain shows greater density and intensity of monamine oxidase B (Maob) expression in the thalamic nucleus of reunions*

**Oprm1****CP: ... < PWD**

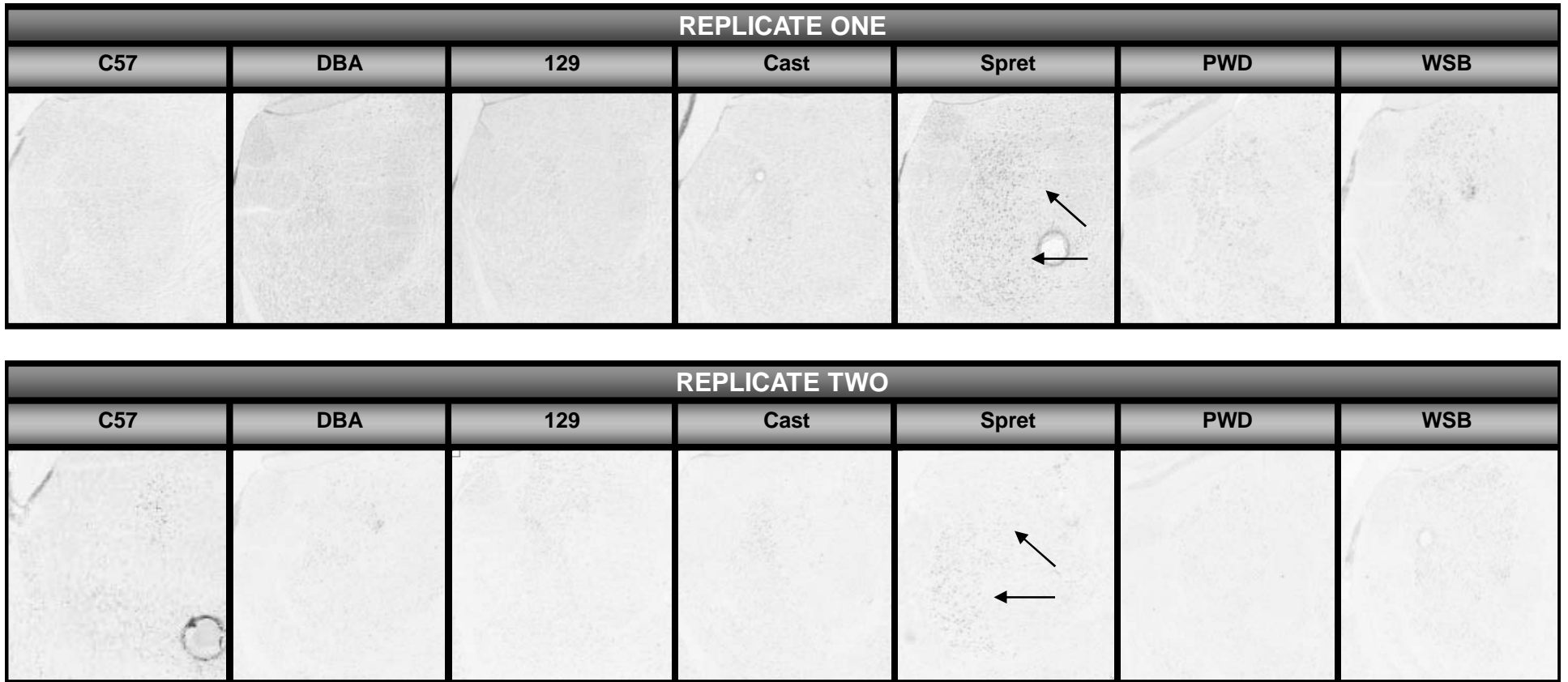
*The PWD strain shows greater density and intensity of opioid receptor, mu 1 (Oprm1) expression in the caudate putamen*

**Oprm1****MS: ... < PWD**

*The PWD strain shows greater density and intensity of opioid receptor, mu 1 (Oprm1) expression in the medial septal nucleus*

62a,b

## Oprm1

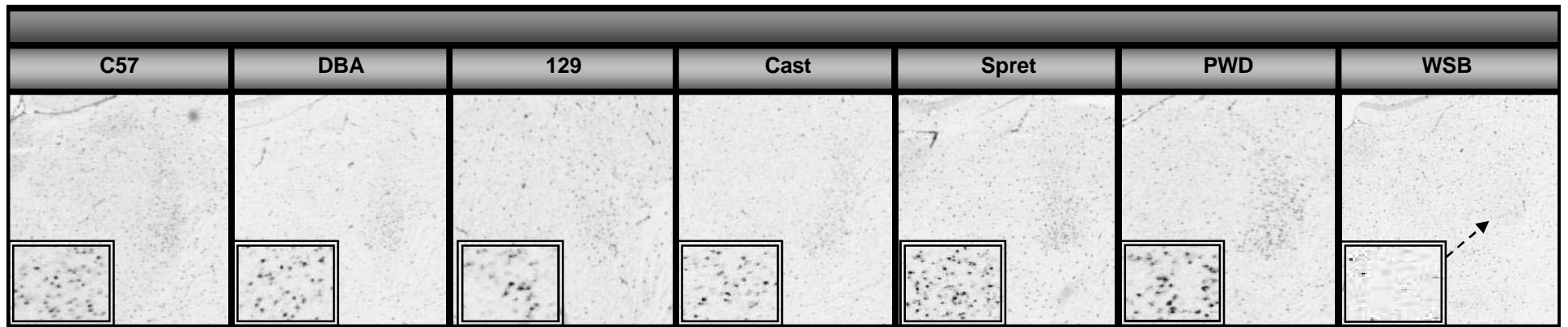


VAL, VPL: ... < Spret

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*The Spret strain shows greater density and intensity of opioid receptor, mu 1 (Oprm1) expression in the ventral anterolateral complex and ventral posterolateral nuclei of the thalamus*

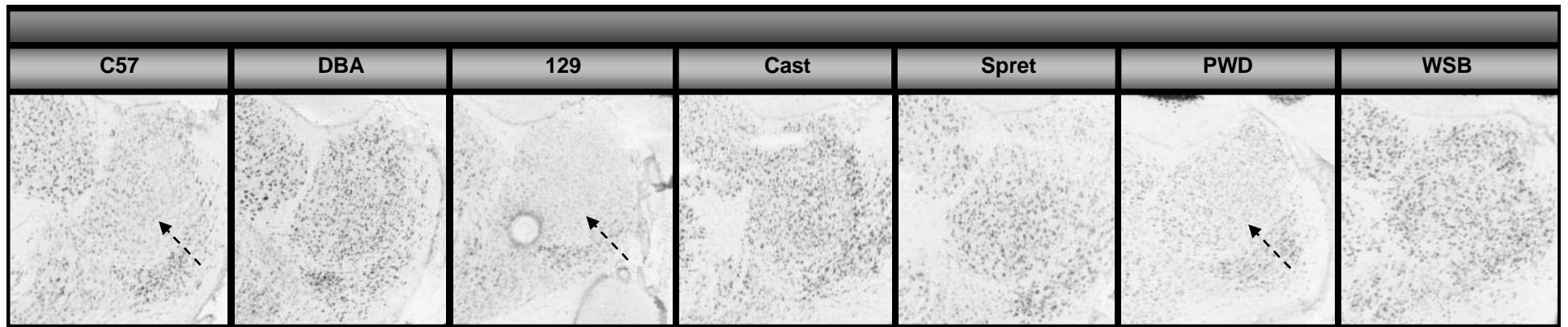
## Pdgfrb



PF: WSB < ...

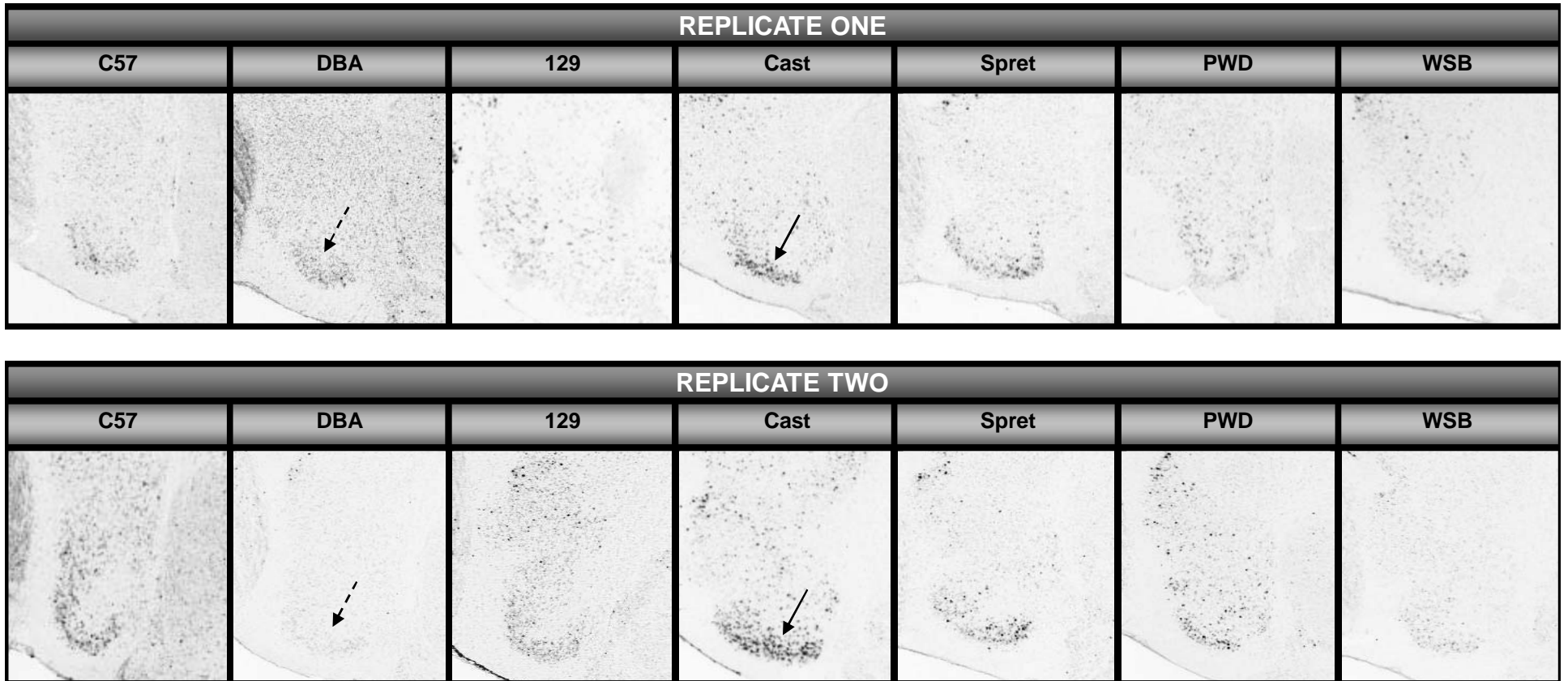
*The WSB strain shows lower density and intensity of platelet derived growth factor receptor, beta polypeptide (Pdgfrb) in the parafascicular nucleus*



**Ppp3ca**

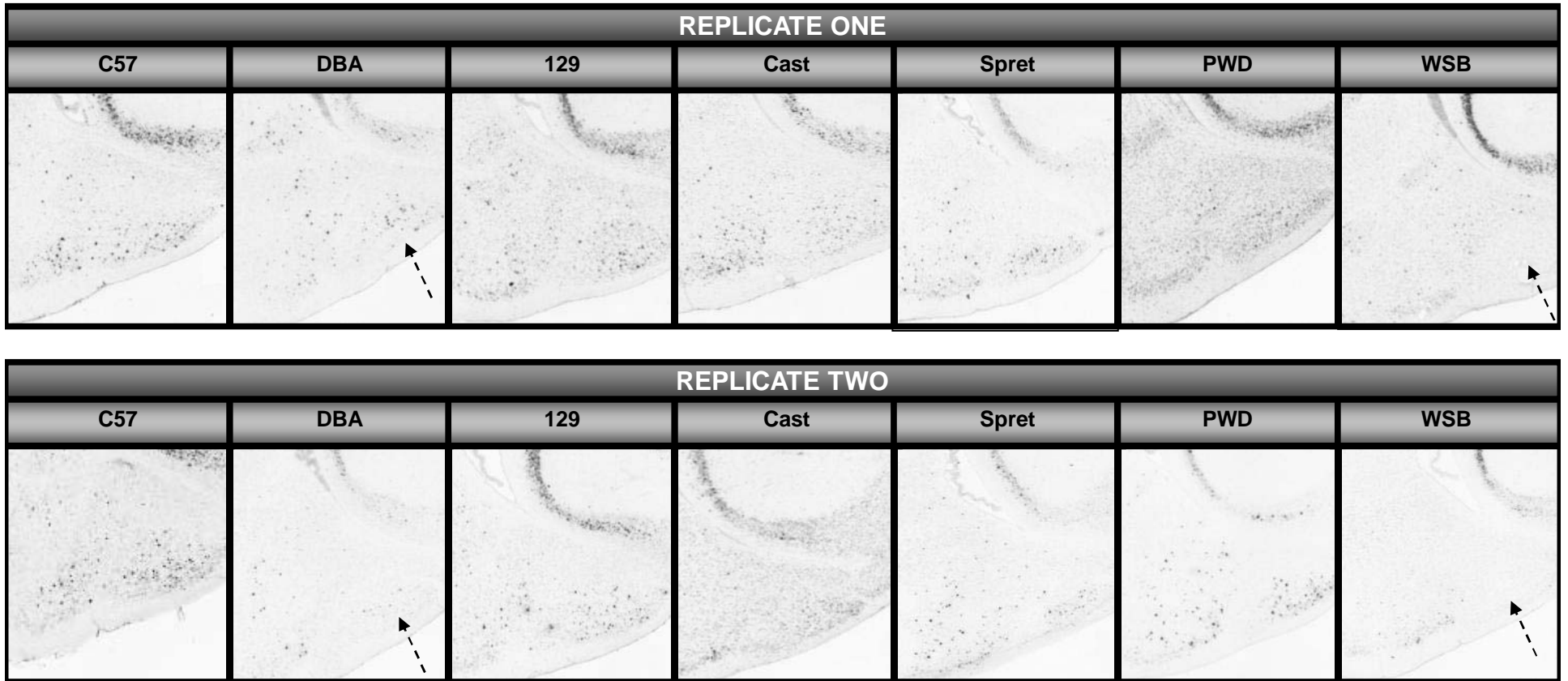
**MG: C57, 129, PWD < ...**

*The C57, 129 and PWD strains show lower density and intensity of protein phosphatase 3, catalytic subunit, alpha isoform (Ppp3ca) in the medial geniculate complex*

**Ptgs2**

**TTv: DBA < ... < Cast**

*The DBA strain shows lower density and intensity of prostaglandin-endoperoxide synthase 2 (Ptgs2) expression in the taenia tecta, ventral part; the Cast strain shows greater*

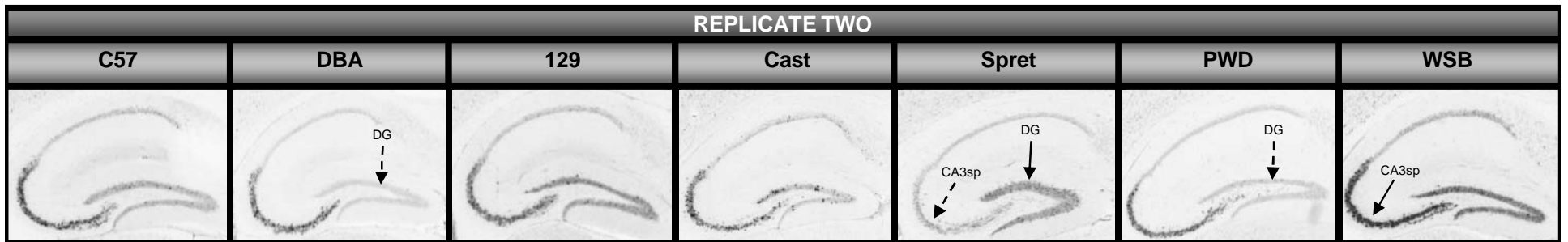
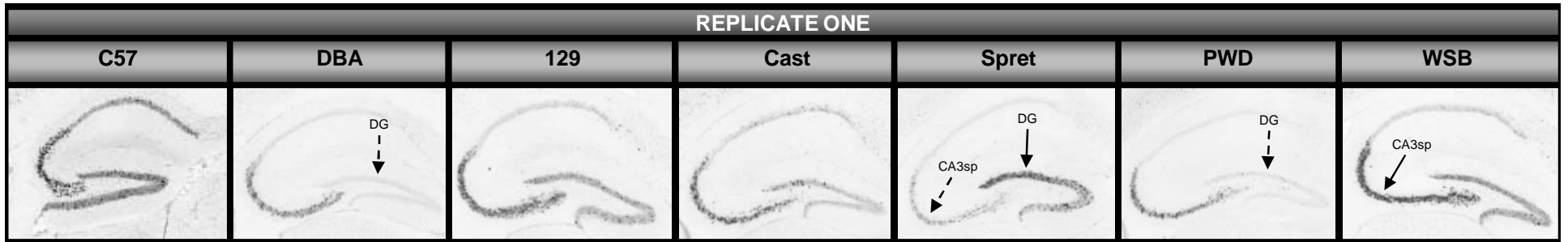
**Ptgs2**

**COA: DBA, WSB < ...**

*The DBA and WSB strains show lower density of prostaglandin-endoperoxide synthase 2 (Ptgs2) expression in the cortical amygdalar area*

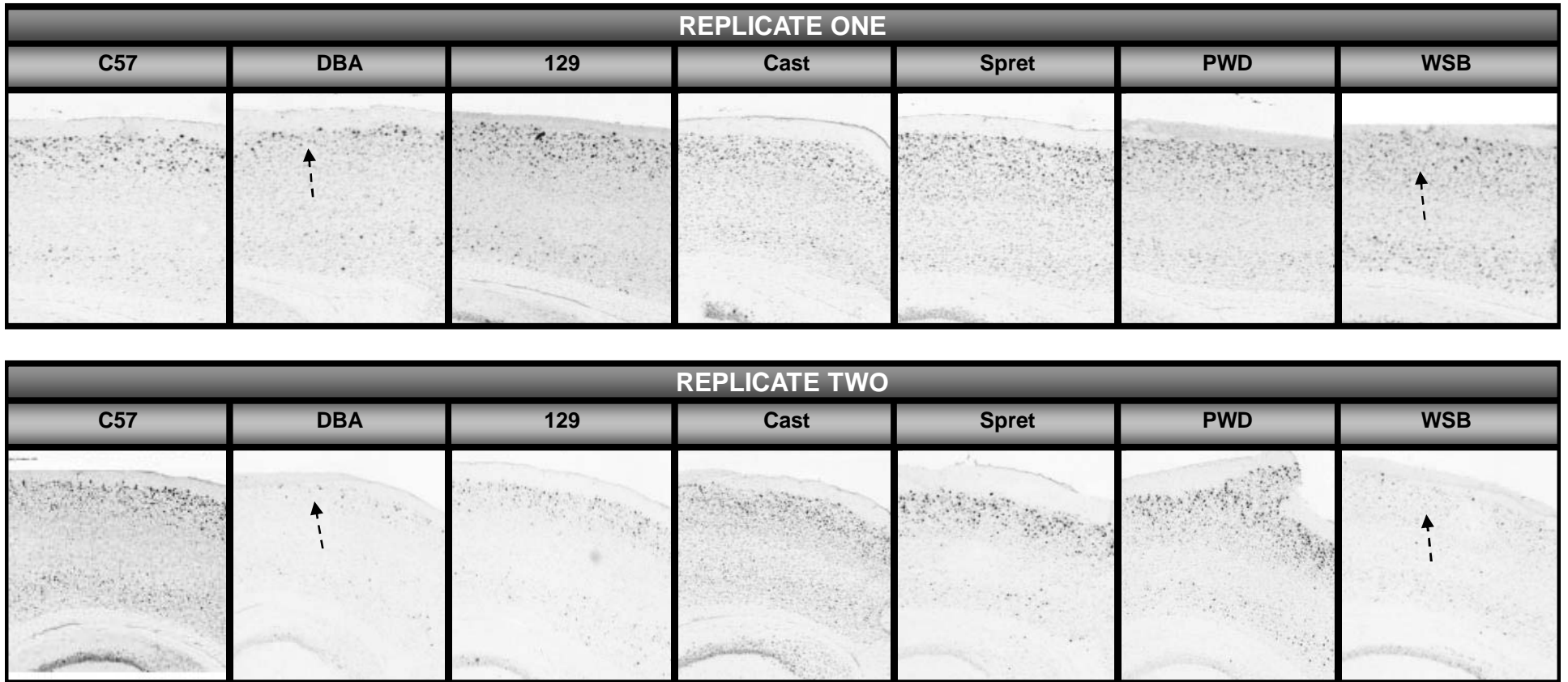
67a,b

## Ptgs2



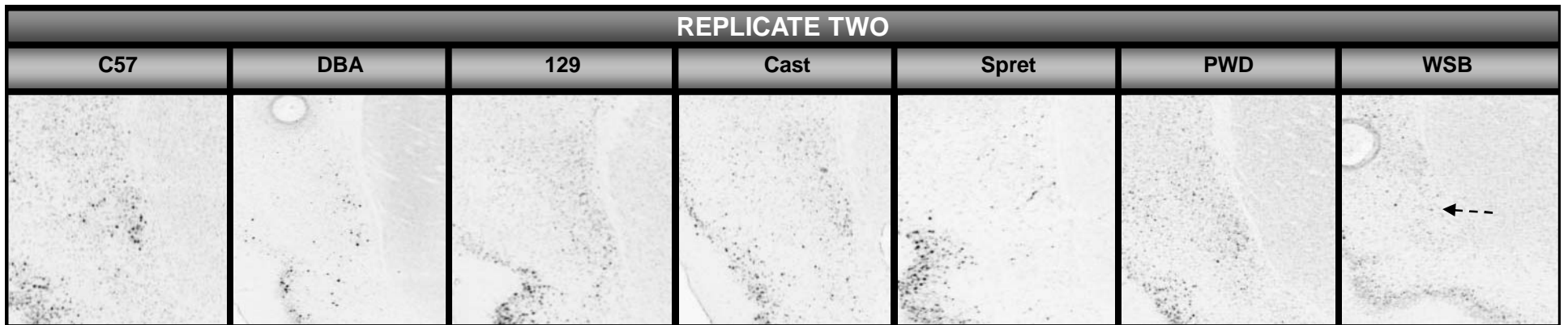
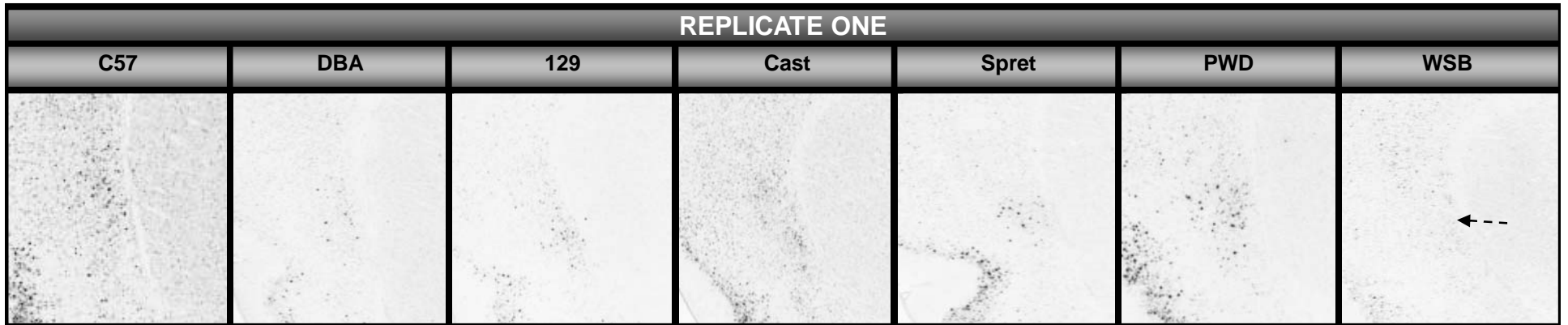
**CA3sp: Spret < ... < WSB**  
**DG: DBA, PWD < ... < Spret**

*The Spret strain shows lower density and intensity of prostaglandin-endoperoxide synthase 2 (Ptgs2) expression in the cornu ammonis field 3, pyramidal layer, while the WSB strain shows greater; DBA and PWD strains show lower density and intensity of expression in the dentate gyrus, while the Spret strain shows greater*

**Ptgs2**

**VIS(2/3): DBA, WSB < ...**

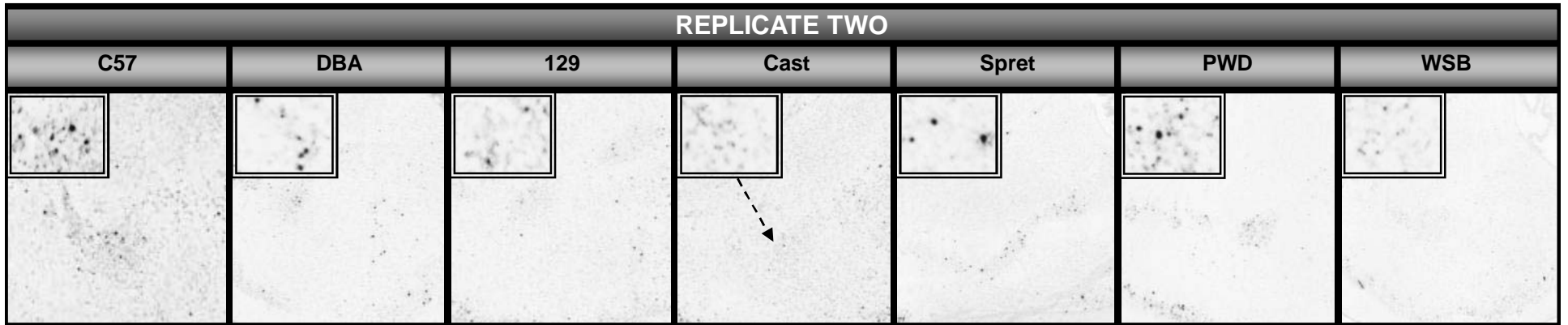
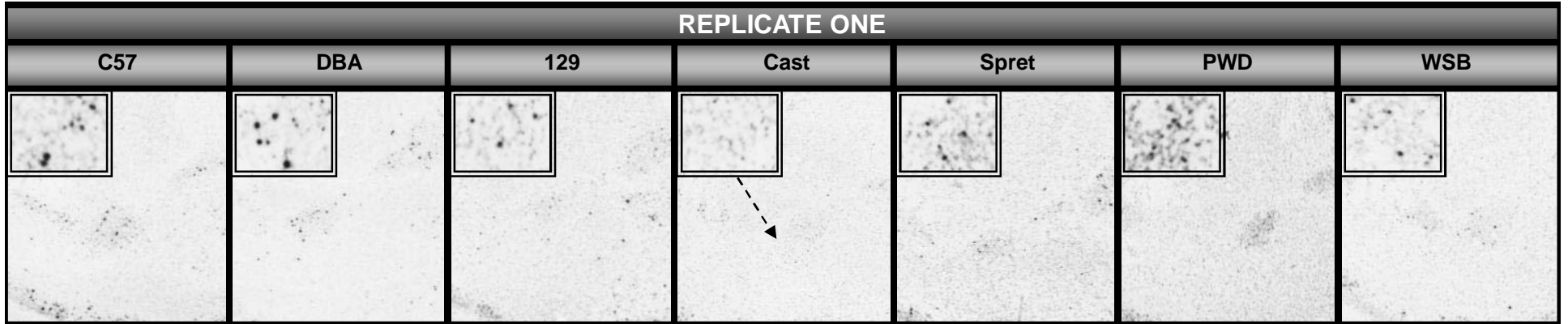
*The DBA and WSB strains show lower density of prostaglandin-endoperoxide synthase 2 (Ptgs2) expression in the superficial portion of layer 2/3 of the visual cortex*

**Ptgs2**

**CLA: WSB < ...**

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*The WSB strain shows lower density and intensity of prostaglandin-endoperoxide synthase 2 (Ptgs2) expression in the claustrum*

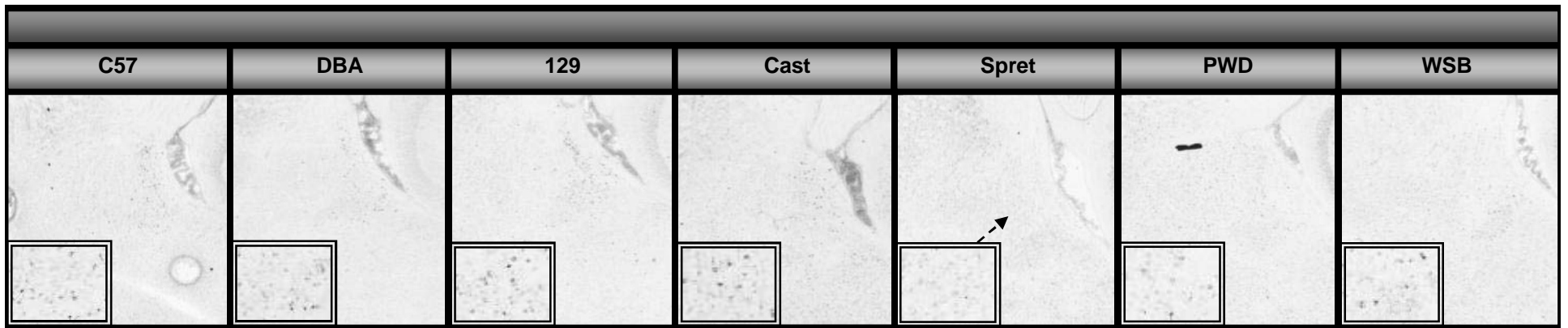
**Ptgs2****IA: Cast < ...**

*The Cast strain shows lower density of prostaglandin-endoperoxide synthase 2 (Ptgs2) expression in the intercalated amygdalar nucleus*

**Scn10a****EPd: ... < C57**

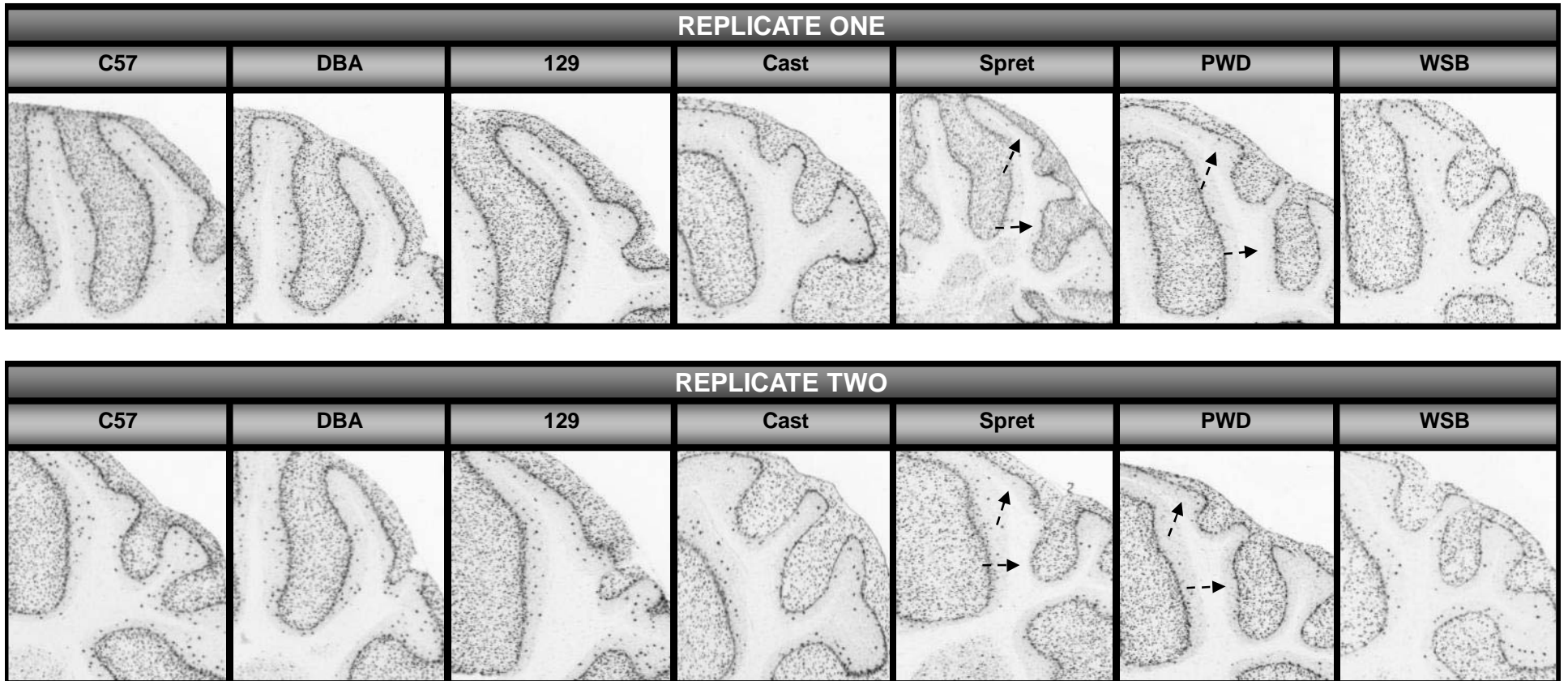
*The C57 strain shows greater density and intensity of sodium channel, voltage-gated, type X, alpha (Scn10a) expression in the endopiriform nucleus, dorsal part*



**Scn10a**

CEA: Spret < ...

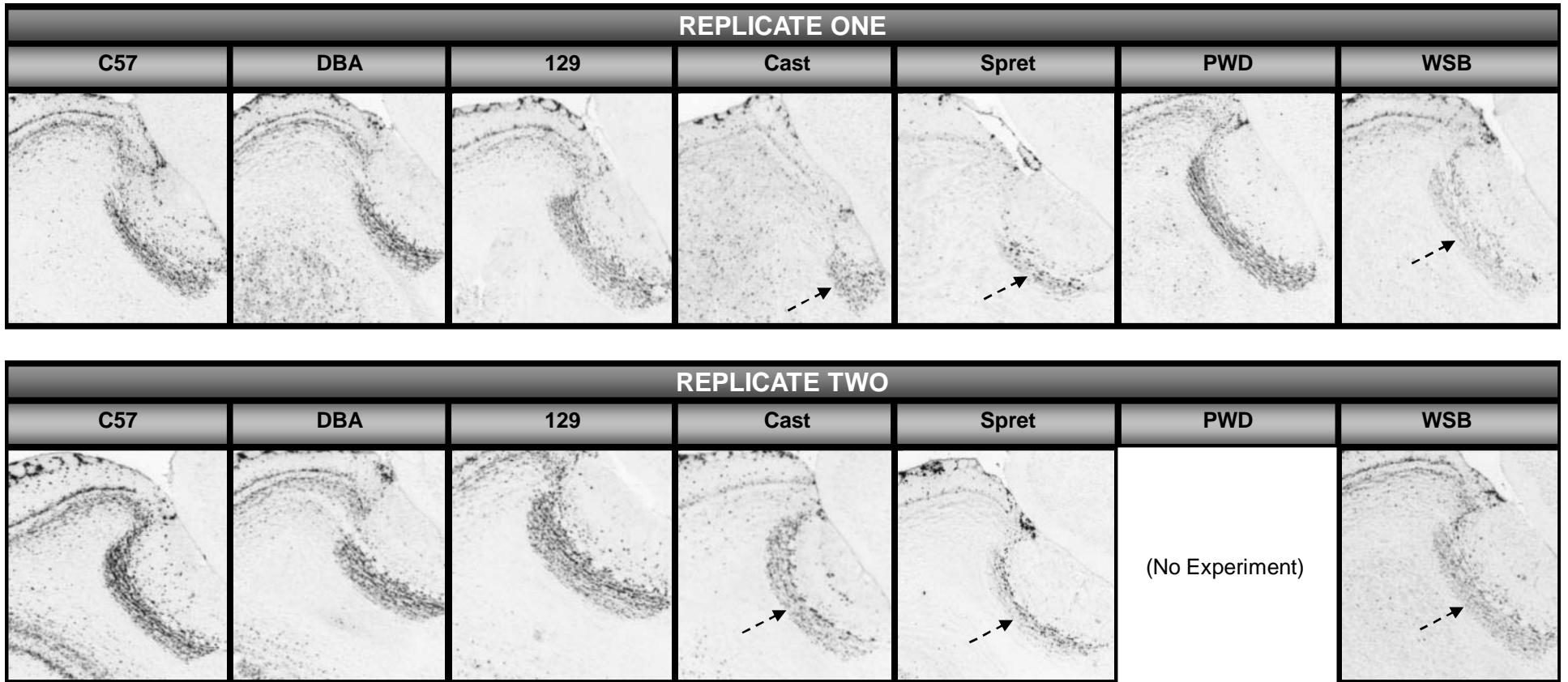
*The Spret strain shows lower density of sodium channel, voltage-gated, type X, alpha (Scn10a) expression in the central amygdalar nucleus*

**Slc6a1**

**CBX(mo): Spret, PWD < ...**

*The Spret and PWD strains show lower density of solute carrier family 6, member 1 (Slc6a1) expression in the molecular layer of the cerebellar cortex*

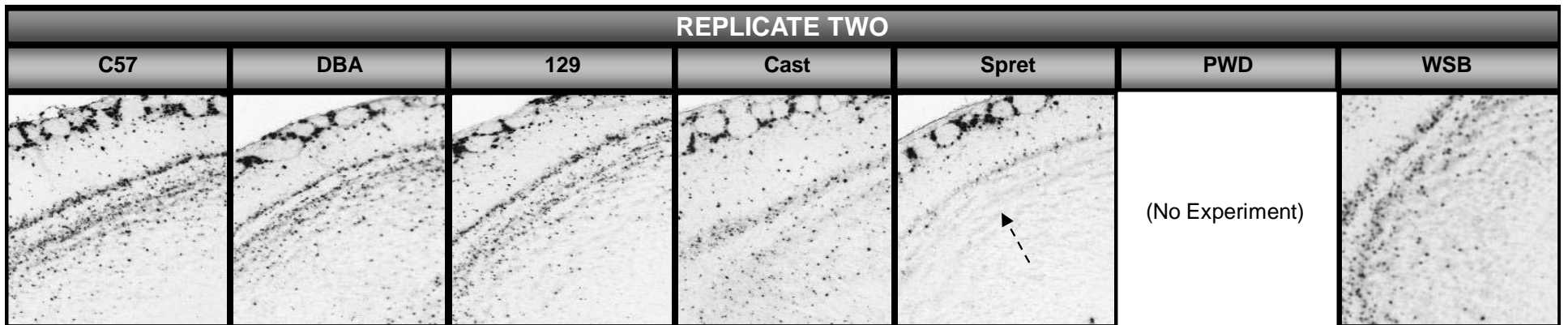
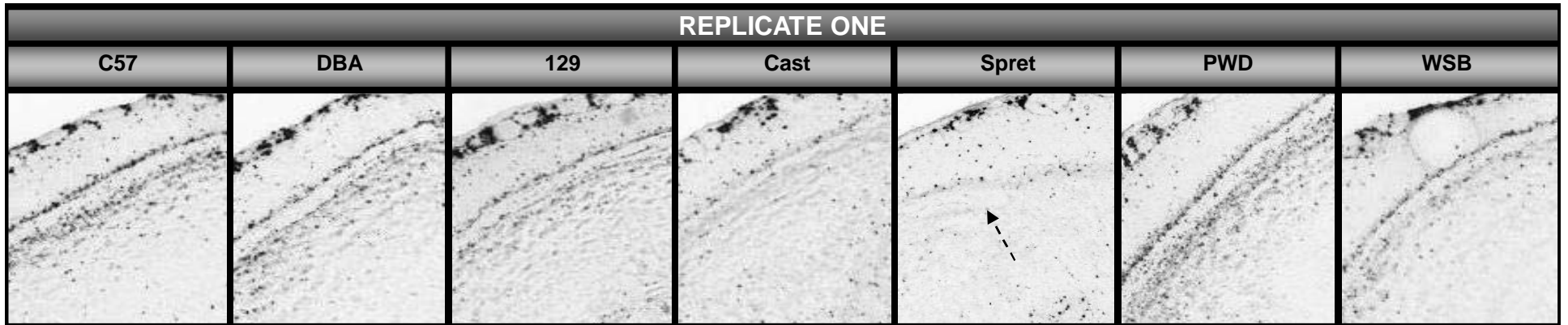
## Th



**AOBgr: Cast, Spret, WSB < ...**

*The Cast, Spret and WSB strains show lower density of tyrosine hydroxylase (Th) expression in the accessory olfactory bulb, granule layer*

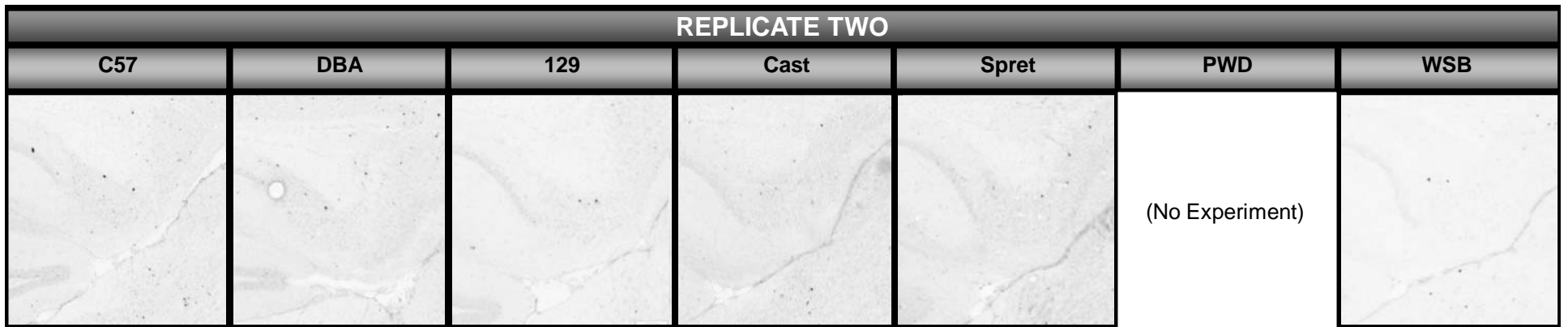
## Th



**MOBgr: Spret < ...**

*The Spret strain shows lower density and intensity of tyrosine hydroxylase (Th) expression in the main olfactory bulb, granule layer*

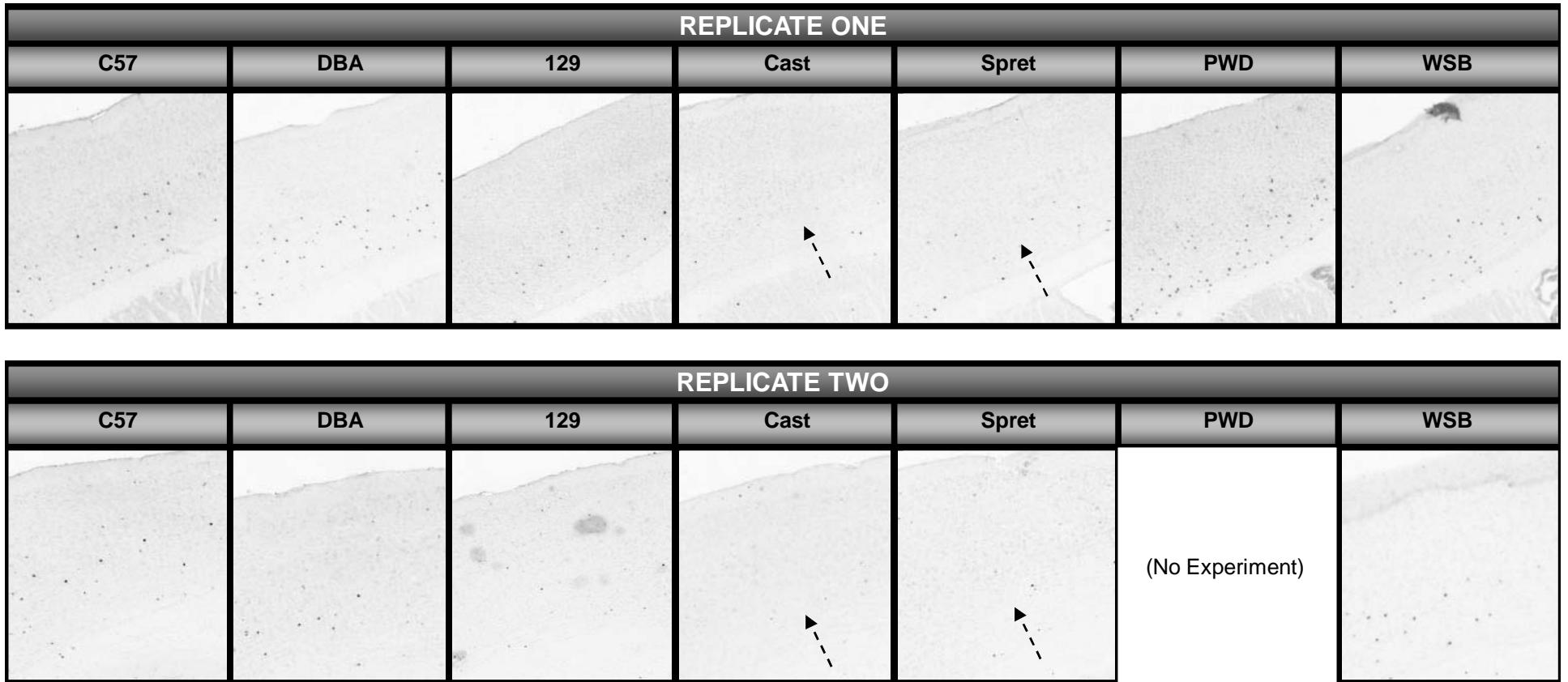
## Th



SUB: ... < PWD

*The PWD strain shows greater density of tyrosine hydroxylase (Th) expression in the subiculum*

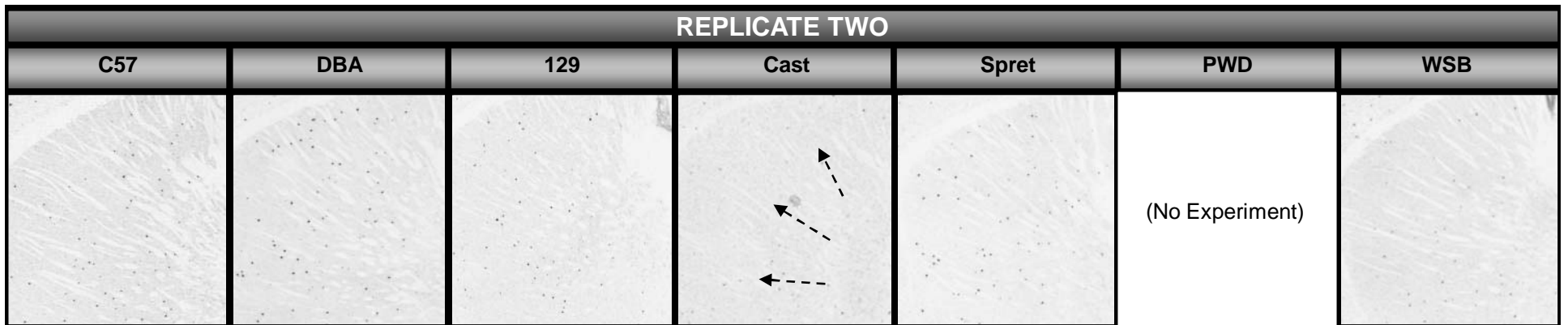
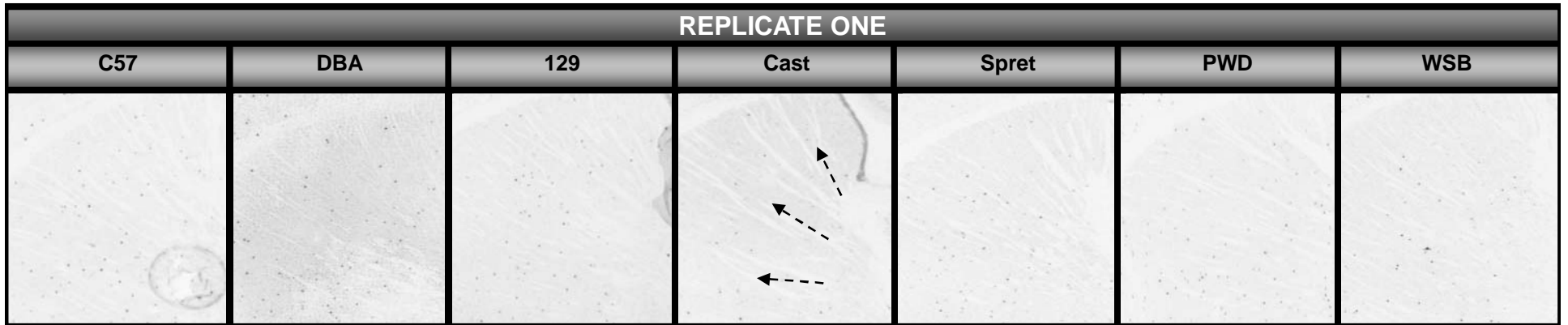
## Th



CTX(6a): Cast, Spret < ...

*The Cast and Spret strains show lower density of tyrosine hydroxylase (Th) expression in layer 6 of the cerebral cortex*

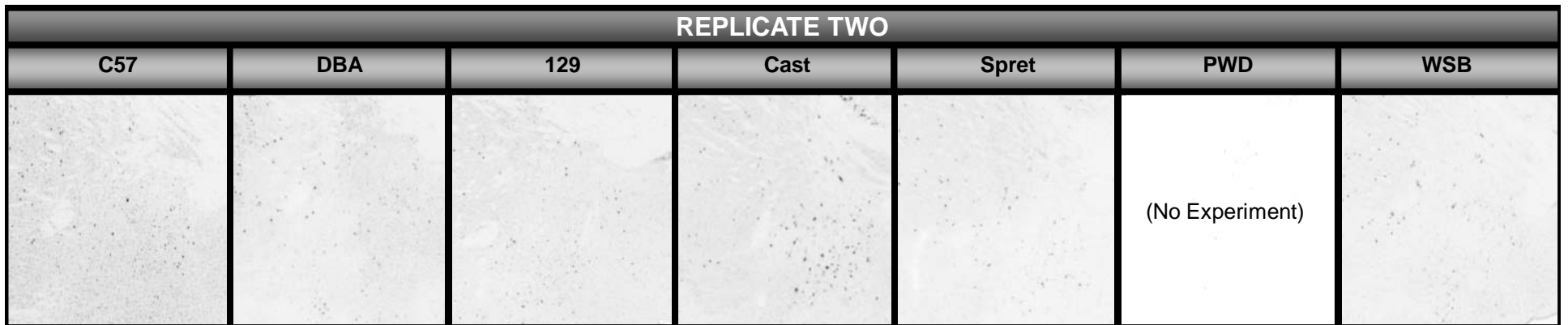
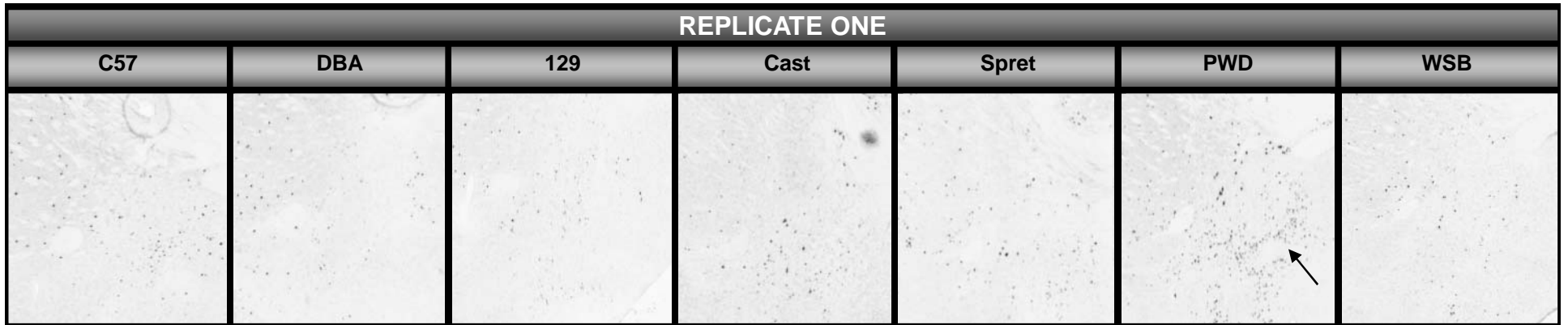
## Th



CP: Cast < ...

*The Cast strain shows lower density of tyrosine hydroxylase (Th) expression in the caudate putamen*

## Th

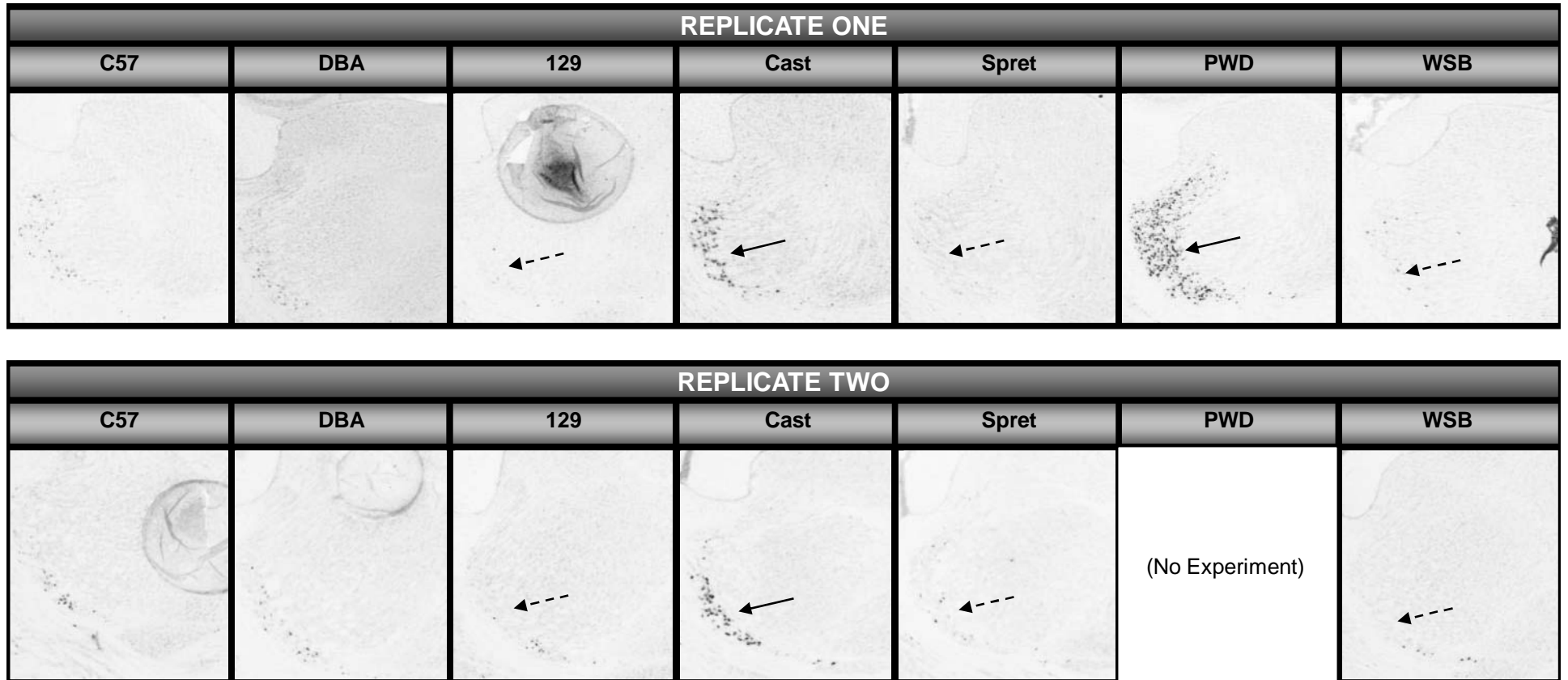


MEA: ... < PWD

*The PWD strain shows greater density and intensity of tyrosine hydroxylase (Th) expression in the medial amygdalar*



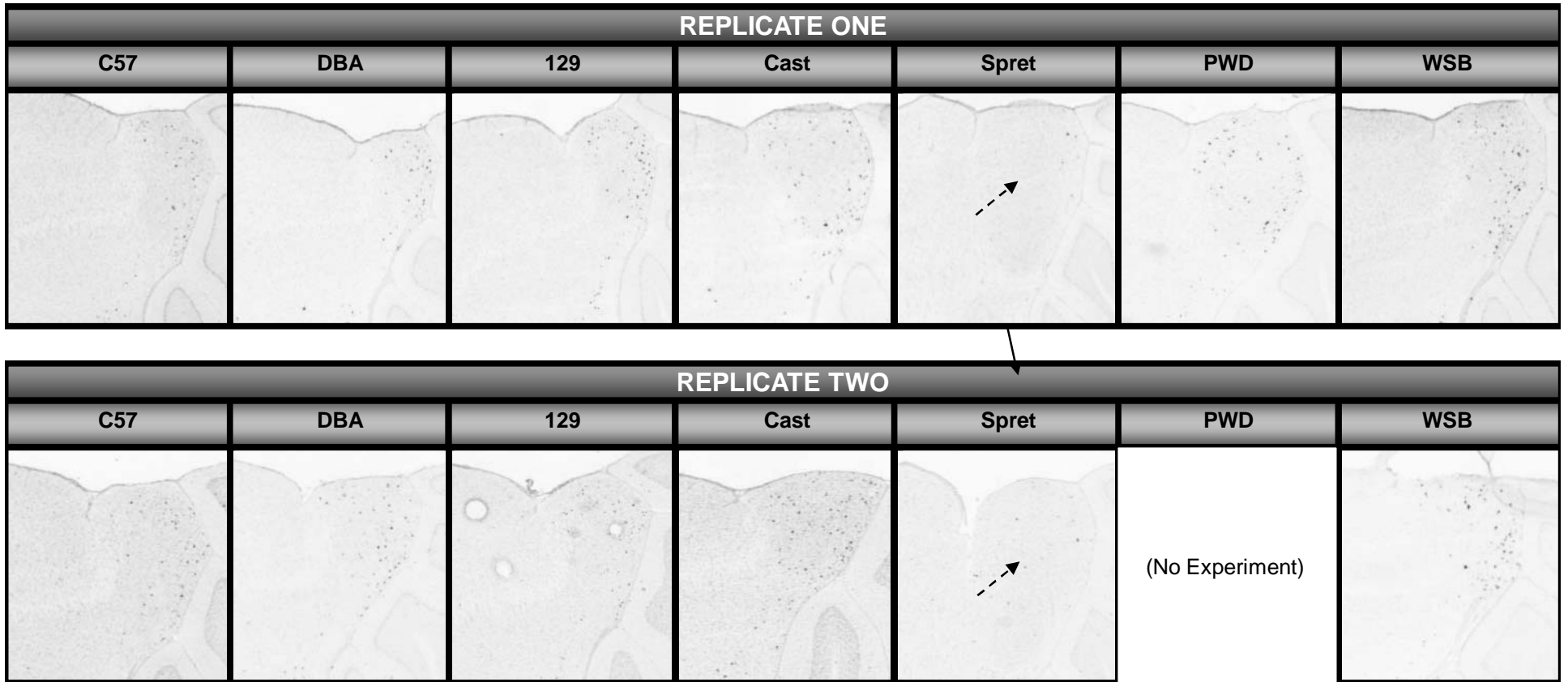
## Th



RT: 129, Spret, WSB < ... < Cast, PWD

*The 129, Spret and WSB strains show lower density and intensity of tyrosine hydroxylase (Th) expression in the reticular nucleus of the thalamus; the Cast and PWD strains show greater*

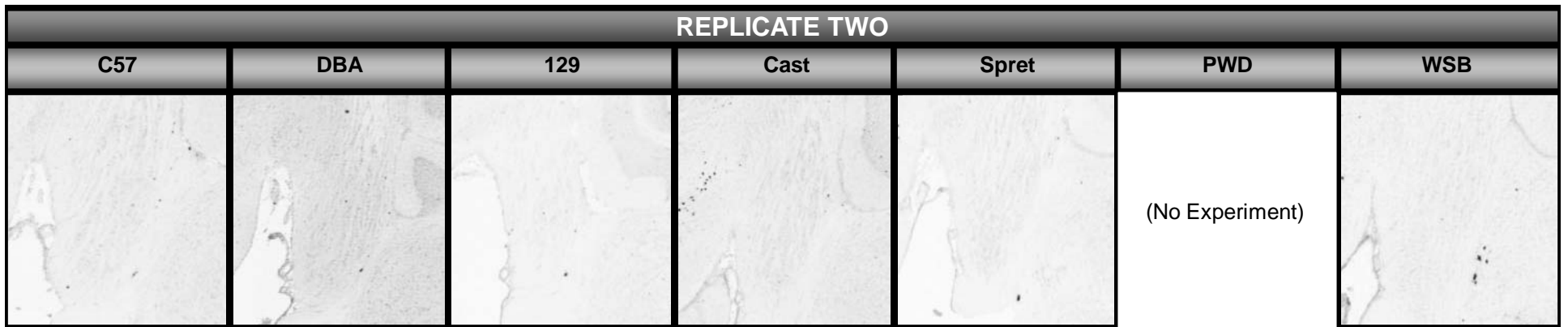
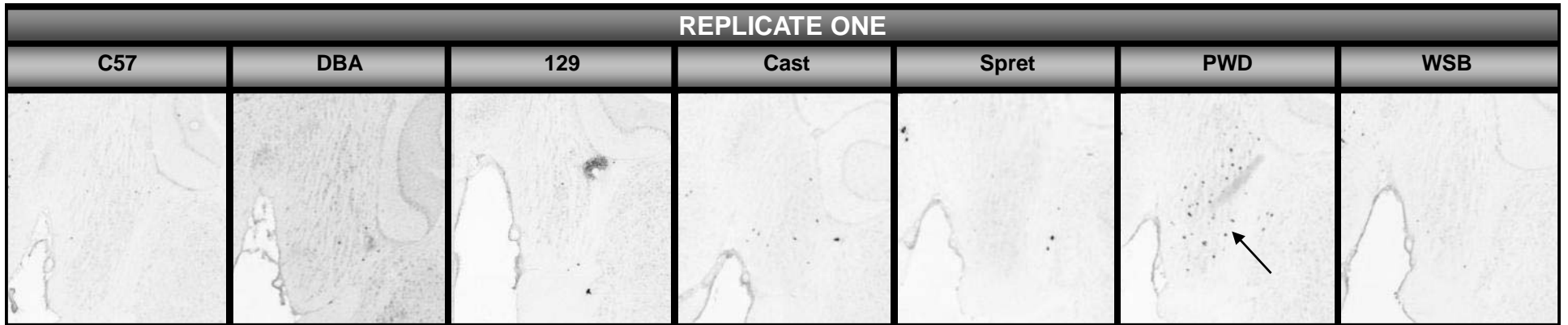
## Th



IC: Spret &lt; ...

*The Spret strain shows lower density of tyrosine hydroxylase (Th) expression in the inferior colliculus*

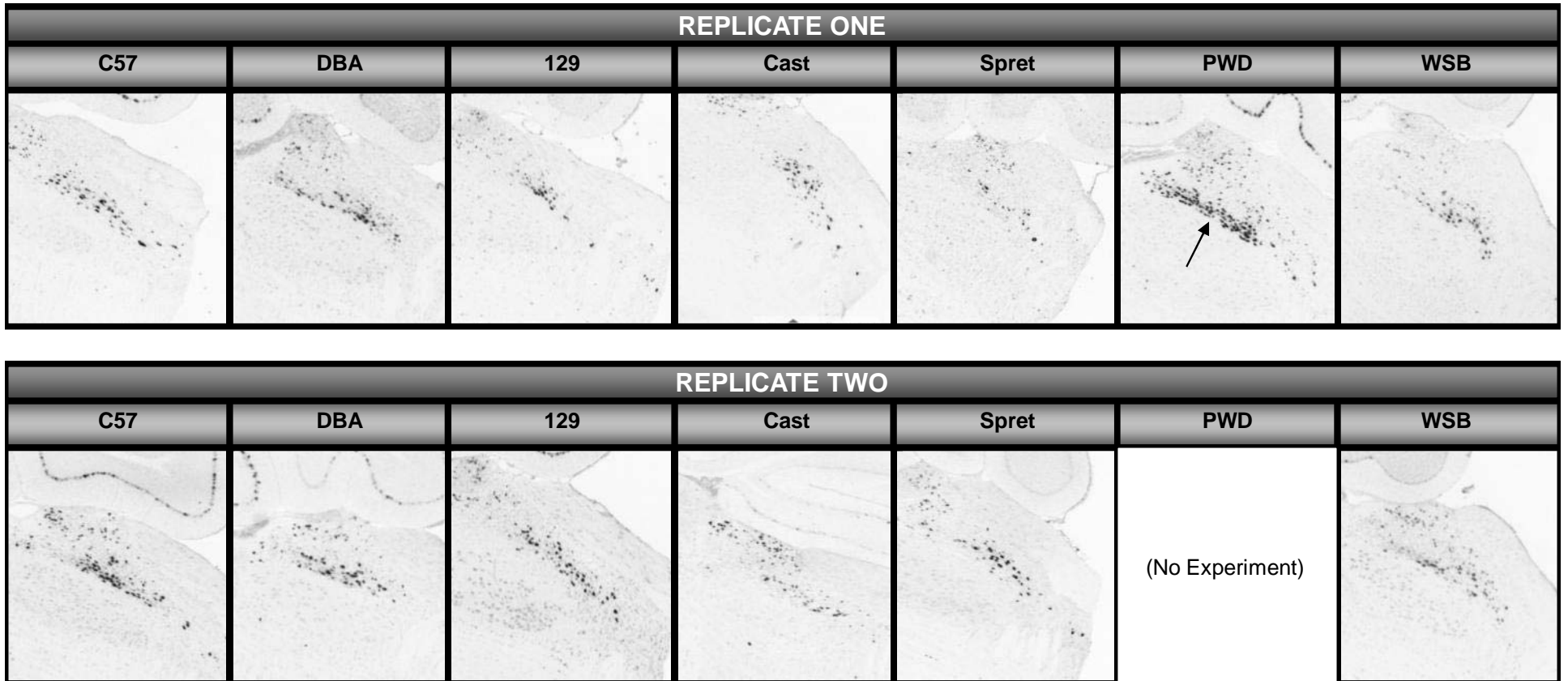
## Th



NLL: ... < PWD

*The PWD strain shows greater density and intensity of tyrosine hydroxylase (Th) expression in the nucleus of the lateral lemniscus*

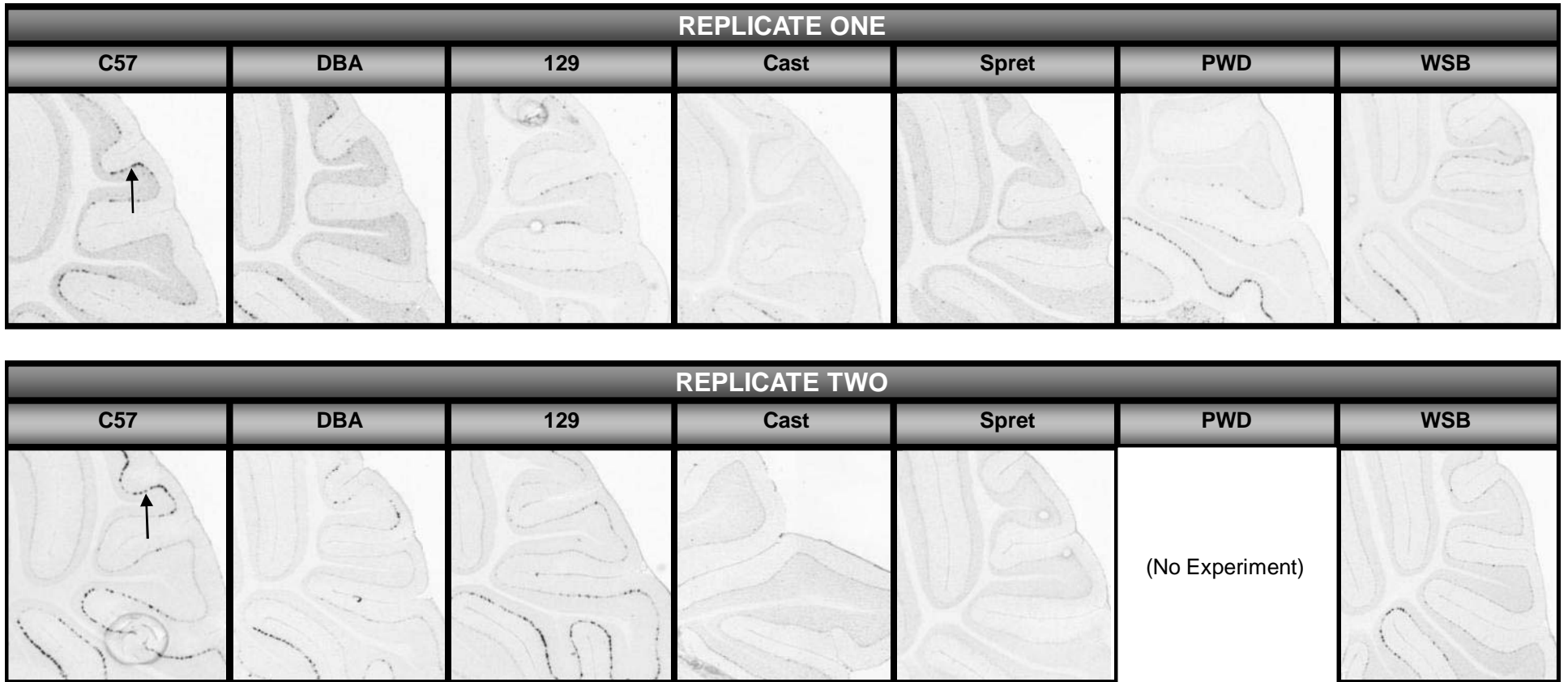
## Th



DMX: ... &lt; PWD

*The PWD strain shows greater density of tyrosine hydroxylase (Th) expression in the dorsal motor nucleus of the vagus*

## Th



CBX(purk): ... < C57

*The C57 strain shows greater density of tyrosine hydroxylase (Th) expression in the purkinje layer of the cerebellar cortex*

# SUMMARY

- 49 DRUG TARGETS -

Page	Gene	Structure	Region	DBA	129	Cast	Spret	PWD	WSB
2	Ache	PO	TH	+			+		+
3	Ache	CBX(gr)	CB					+	
4	Adra2a	DG(po)	HPF						+
5	Adra2a	CBX(gr)	CB					+	
6	Agtr1a	PVH	HY				-	-	
7	Bche	ENTm	HPF				-	-	
8	Bche	AD	TH			+			+
9	Bche	LD	TH			+		+	
10	Bche	AV	TH			+		+	
11	Bche	RE	TH			+		+	
12	Bche	MH	TH			+			
13	Bche	PCG	P						
14	Bche	DMX	MY						
15	Cyp19a1	LS	SUBC					+	-
16	Drd1a	CA2sp	HPF	+	+				
17	Drd1a	AD	TH				+		
18	Drd1a	PB	P			-			
19	Drd2	ENTl	HPF	+					
20a	Drd2	LD	TH	-		-			
20b	Drd2	AV	TH			-			
21	Egfr	DG(sg)	HPF			+			
22	Egfr	PA	CTX			+			
23	Egfr	LSc	SUBC			+	+		
24	Egfr	SCs	MB				+		
25	Esr1	COAp	OLF						
26a	Esr1	CA2sp	HPF					+	
26b	Esr1	DG(po)	HPF					+	
27	Esr1	MO(2/3)	CTX	+					
28	Esr1	PIR(2)	OLF				+		
29	Esr1	DR	MB				-		
30	Esr1	AP	MY				-		
31	Esr2	CLA	CTX	+		+	-		
32	Esr2	BLA	CTX				-	-	
33	Esr2	RE	TH				+	+	
34	Esr2	SCN	HY				+		
35	Faah	AOBmi	OLF			-			
36	Gabra3	CBX(gr)	CB					+	
37	Gabrb1	SCs	MB				-		
38	Gnrh1	MPO	HY			-			
39	Hrh1	SCs	MB			+			
40	Htr1a	AOB	OLF					+	+
41	Htr1a	MOBmi	OLF			-		-	
42	Htr1a	CA3sp	HPF			+	+		
43	Htr1a	SUB	HPF				+	+	

Page	Gene	Structure	Macro	DBA	129	Cast	Spret	PWD	WSB
44	Htr1a	VIS(5)	CTX					-	
45	Htr1a	RSPd(5)	CTX					-	
46	Htr1a	CP	SUBC			+	+		
47	Htr1a	FN	CB					-	
48	Htr1b	PIR(2)	OLF					-	+
49	Htr1b	DG(po)	HPF	+	+	+	+	+	+
50	Htr1b	POST	HPF					+	
51	Htr1b	AV	TH					-	
52	Htr2a	MO(2/3)	CTX			-			
53	Htr2a	AD	TH			-			
54	Maob	MOBmi	OLF						+
55	Maob	MO(2/3)	CTX						+
56	Maob	CTX(6b)	CTX					-	
57	Maob	LA	CTX						+
58	Maob	LSr	SUBC			+			
59	Maob	RE	TH					+	
60	Oprm1	CP	SUBC						+
61	Oprm1	MS	SUBC						+
62a	Oprm1	VAL	TH					+	
62b	Oprm1	VPL	TH					+	
63	Pdgfrb	PF	TH						-
64	Ppp3ca	MG	TH	+		+	+		+
65	Ptgs2	TTv	OLF	-		+			
66	Ptgs2	COA	OLF	-					-
67a	Ptgs2	CA3sp	HPF					-	+
67b	Ptgs2	DG	HPF	-				+	-
68	Ptgs2	VIS(2/3)	CTX	-					-
69	Ptgs2	CLA	CTX						-
70	Ptgs2	IA	SUBC			-			
71	Scn10a	Epd	CTX	-	-	-	-	-	-
72	Scn10a	CEA	SUBC					-	
73	Slc6a1	CBX(mo)	CB					-	-
74	Th	AOBgr	OLF			-		-	-
75	Th	MOBgr	OLF					-	
76	Th	SUB	HPF						+
77	Th	CTX(6a)	CTX			-	-		
78	Th	CP	SUBC			-			
79	Th	MEA	SUBC						+
80	Th	RT	TH		-	+	-	+	-
81	Th	IC	MB					-	
82	Th	NLL	P						+
83	Th	DMX	MY						+
84	Th	CBX(purk)	CB	-	-	-	-	-	-