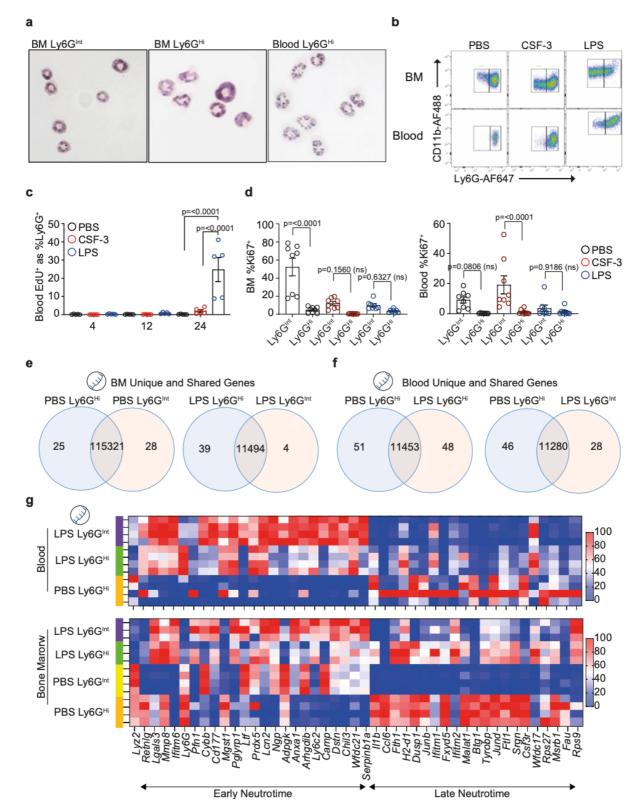


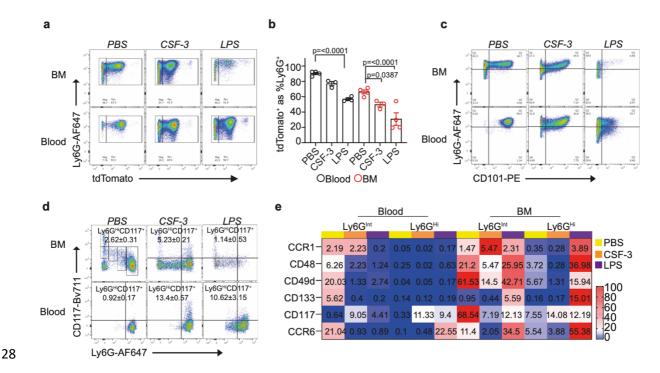
3 Extended Data Fig. 1. Gating strategy for identification of Ly6G⁺CD11b⁺ neutrophils. a, SSC^{Hi}FSC^{Hi} (I), single

- 4 cells (II), live cells (III), CD45⁺ (IV), Lineage⁻ (CD3, CD19, Ter119, CD115, Nkp46, Siglec-F and F4/80; (V)) and
- 5 Ly6G⁺CD11b⁺ (VI).



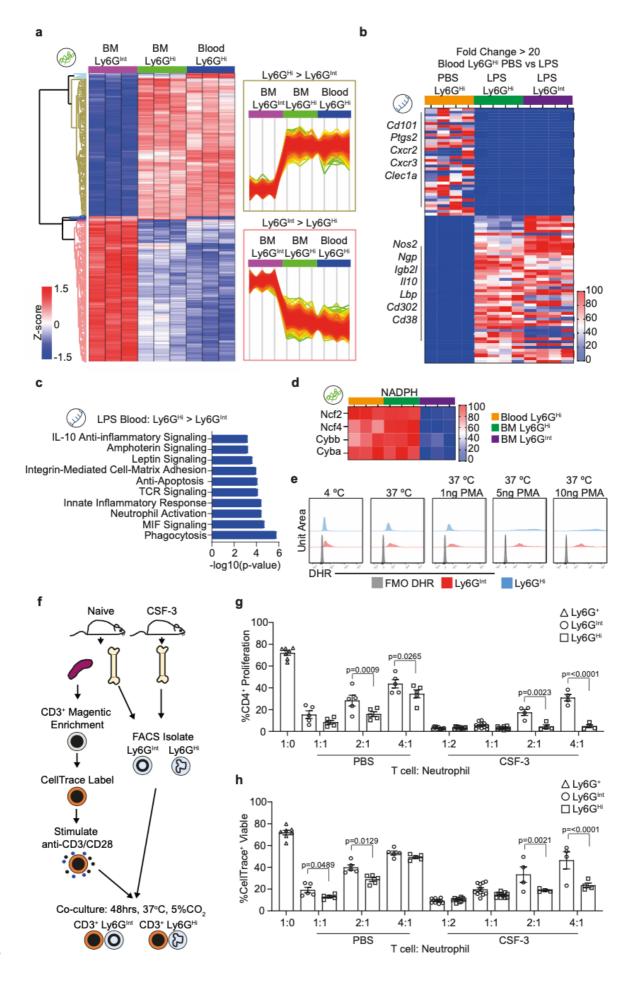
Extended Data Fig. 2. Intermediate Ly6G expressing (Ly6G^{Int}) neutrophils are immature. a, H&E stained
cytospins of FACS isolated BM Ly6G^{Int}, BM Ly6G^{Hi} and peripheral blood Ly6G⁺ neutrophils from naïve mice. Data
are representative of n=5 mice. b, Flow cytometry plots for Ly6G⁺CD11b⁺ neutrophils in PBS-control, CSF-3- and
LPS-challenged mice. Data representative of: PBS n=11 mice; CSF-3 n=9 mice; LPS n=5 mice. c, Quantification of
EdU⁺ as %Ly6G⁺ neutrophils in the peripheral blood. PBS n=5 mice; CSF-3 n=5 mice, LPS n=5 mice. Data were
analysed by 2way ANOVA with Tukey's multiple comparisons test. d, Quantification of Ki-67⁺ as %Ly6G^{Int} and
Ly6G^{Hi} neutrophils in the BM (left) and peripheral blood (right). Ly6G^{Int} and Ly6G^{Hi} neutrophils: PBS n=8 mice;

- 15 CSF-3 n=8 mice; LPS n=8 mice. Data were analysed by 2way ANOVA with Sidak's multiple comparisons test. e, 16 Venn diagrams for genes with unique and shared expression between Ly6G^{Int} and Ly6G^{Hi} neutrophils isolated from the BM of PBS-control (left) and LPS-challenged (right) mice. Data from transcriptomic analysis. f, Venn 17 18 diagrams for genes with unique and shared expression between; PBS-control Ly6G^{Hi} and LPS-challenged Ly6G^{Hi} 19 (left) and LPS-challenged Ly6G^{Hi} and Ly6G^{Int} neutrophils (right). Data from transcriptomic analysis. g, Heatmap 20 showing row scaled expression for genes associated with early and late stages of neutrophil development 21 (neutrotime, identified by Grieshaber-Bouyer et al., 2020) for Ly6G^{Int} and Ly6G^{Hi} neutrophils in the peripheral 22 blood and BM of PBS-control and LPS-challenged mice. Data from transcriptomic analysis.
- 23 Bulk Ly6G^{Int} and Ly6G^{Hi} neutrophil RNA-Seq data in Extended Data Fig. 2e-g. PBS BM: Ly6G^{Int} n=4 mice; Ly6G^{Hi}
- n=4 mice. LPS-BM: Ly6G^{lint} n=3 mice; Ly6G^{Hi} n=3 mice. PBS peripheral blood: Ly6G^{Hi} n=4 mice. LPS peripheral 24 25 blood: Ly6G^{int} n=4 mice; Ly6G^{Hi} n=4 mice. Dots in Extended Data Fig. 2c, d represent individual mice. Error bars
- 26 in Extended Data Fig. 2c, d represent mean±SEM.
 - 27



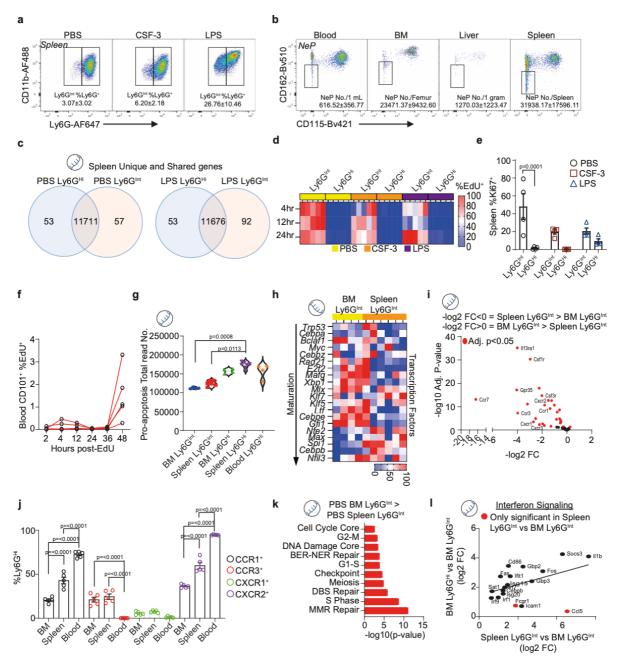
29 Extended Data Fig. 3. Haematopoietic stress reduces the accuracy of alternative methods for identification of 30 neutrophil maturity. a, Flow cytometry plots for TdTomato expression by Ly6G⁺ neutrophils in PBS-control, CSF-31 3- and LPS-challenged mice. BM representative of: PBS n=4 mice; CSF-3 n=3 mice; LPS n=4 mice. Peripheral blood 32 representative of: PBS n=4 mice; CSF-3 n=3 mice; LPS n=4 mice. b, Quantification of TdTomato⁺ as %Ly6G⁺ 33 neutrophils. Peripheral blood Ly6G⁺ neutrophils: PBS n=4 mice; CSF-3 n=3 mice; LPS n=4 mice. BM Ly6G⁺ 34 neutrophils: PBS n=4 mice; CSF-3 n=3 mice; LPS n=4 mice. Data were analysed by 2way ANOVA with Tukey's multiple comparisons test. c, Flow cytometry plots for CD101 expression by Ly6G⁺ neutrophils in PBS-control, 35 36 CSF-3- and LPS-challenged mice. BM representative of: PBS n=5 mice; CSF-3 n=5 mice; LPS n=5 mice. Peripheral 37 blood representative of: PBS n=5 mice; CSF-3 n=5 mice; LPS n=5 mice. d, Flow cytometry plots for CD117 38 expression by Ly6G⁺ neutrophils in PBS-control, CSF-3- and LPS-challenged mice. Data are presented as 39 mean±standard deviation. BM representative of: PBS n=3 mice; CSF-3 n=3 mice; LPS n=3 mice. Peripheral blood 40 representative of: PBS n=3 mice; CSF-3 n=3 mice; LPS n=3 mice. e, Heatmap showing row scaled CCR1⁺, CD48⁺, CD49d⁺, CD133⁺, CD117⁺ and CCR6⁺ as %Ly6G^{Int} and Ly6G^{Hi} neutrophils isolated from the peripheral blood and 41 42 BM of PBS-control, CSF-3- and LPS-challenged mice. Data from flow cytometry analysis. Peripheral blood Ly6G^{Int} 43 and Ly6G^{Hi} neutrophils: CCR1 PBS n=7 mice, CSF-3 n=4 mice, LPS n=4 mice; CD48 PBS n=7 mice, CSF-3 n=4 mice; 44 LPS n=4 mice; CD49d PBS n=5 mice, CSF-3 n=7 mice, LPS n=7 mice; CD133 PBS n=4 mice, CSF-3 n=4 mice, LPS 45 n=4 mice; CD117 PBS n=5 mice, CSF-3 n= 7 mice, LPS n=7 mice; CCR6 PBS n=4 mice, CSF-3 n=4 mice, LPS n=4 46 mice. BM Ly6G^{Int} and Ly6G^{Hi} neutrophils: CCR1 PBS n=7 mice, CSF-3 n=4 mice, LPS n=4 mice; CD48 PBS n=7 mice, 47 CSF-3 n=4 mice; LPS n=4 mice; CD49d PBS n=4 mice, CSF-3 n=7 mice, LPS n=7 mice; CD133 PBS n=4 mice, CSF-3 48 n=4 mice, LPS n=4 mice; CD117 PBS n=5 mice, CSF-3 n= 7 mice, LPS n=7 mice; CCR6 PBS n=4 mice, CSF-3 n=4 49 mice, LPS n=4 mice.

Dots in Dots in Extended Data Fig. 3b represent individual mice. Error bars in Extended Data Fig. 3b represent
 mean±SEM.



Extended Data Fig. 4. Ly6G^{Int} display transcriptomic, proteomic and functional differences to Ly6G^{Hi} 54 neutrophils. a, Heatmap showing row scaled protein abundance between Ly6G^{Int} and Ly6G^{Hi} neutrophils isolated 55 56 from the peripheral blood and BM of CSF-3-challenged mice. Data from proteomic analysis. b, Heatmap showing 57 row scaled expression for genes with >20 fold change between peripheral blood Ly6G^{Hi} neutrophils isolated from 58 PBS-control and LPS-challenged mice. Data from transcriptomic analysis. c, Top 10 most enriched Process 59 Networks from DEGs with increased expression in peripheral blood Ly6G^{Hi} compared to Ly6G^{Int} neutrophils from 60 LPS-challenged mice. Data from transcriptomic analysis. d, Heatmap showing row scaled protein abundance for 61 NADPH components between Ly6G^{Int} and Ly6G^{Hi} neutrophils isolated from the peripheral blood and BM of CSF-62 3 challenged mice. Data from proteomic analysis. e, Histograms showing intracellular-DHR-123 fluorescence for 63 ex vivo PMA stimulated Ly6G^{Int} and Ly6G^{Hi} neutrophils isolated from the BM of naïve mice. Data representative 64 of Ly6G^{Int} and Ly6G^{Hi} neutrophils n=6 mice for each condition. **f**, Schematic for *ex vivo* neutrophil suppression 65 assays. g, Quantification of %CD4⁺ T cell proliferation when cultured ex vivo with Ly6G^{Int} or Ly6G^{Hi} neutrophils 66 isolated from the BM of PBS-control or CSF-3-challenged mice, at different T cell: neutrophil ratios. Data from 67 flow cytometry analysis. Ly6G⁺ neutrophils 1:0 ratio n=7 mice. Ly6G^{Int} and Ly6G^{Hi} neutrophils: PBS 1:1, 2:1 and 68 4:1 ratios n=5 mice; CSF-3 1:2 and 1:1 ratios n=11 mice; CSF-3 2:1 and 4:1 ratios n=4 mice. Data were analysed 69 by 2way ANOVA with Sidak's multiple comparisons test. h, Quantification of %Viable CellTrace⁺ CD3⁺ T cells when 70 cultured ex vivo with Ly6G^{nt} or Ly6G^{Hi} neutrophils isolated from the BM of PBS-control or CSF-3-challenged mice, 71 at different T cell: neutrophil ratios. Data from flow cytometry analysis. Ly6G⁺ neutrophils 1:0 ratio n=7 mice. 72 Ly6G^{Int} and Ly6G^{Hi} neutrophils: PBS 1:1, 2:1 and 4:1 ratios n=5 mice; CSF-3 1:2 and 1:1 ratios n=11 mice; CSF-3 73 2:1 and 4:1 ratios n=4 mice. Data were analysed by 2way ANOVA with Sidak's multiple comparisons test.

Bulk Ly6G^{Int} and Ly6G^{Hi} neutrophil RNA-Seq data in Extended Data Fig. 4b, c. PBS BM: Ly6G^{Int} n=4 mice; Ly6G^{Hi} n=4 mice; Ly6G^{Hi} n=3 mice. PBS peripheral blood: Ly6G^{Hi} n=4 mice. LPS peripheral blood: Ly6G^{Int} n=4 mice; Ly6G^{Hi} n=4 mice. Bulk Ly6G^{Int} and Ly6G^{Hi} neutrophil proteomic data in Fig. 2l. CSF-3 BM Ly6G^{Int} n=3, and peripheral blood and BM Ly6G^{Hi} n=3 replicates. Each replicate composed of FACS isolated Ly6G^{Int} and Ly6G^{Hi} neutrophils pooled from n=4 mice. Dots in Dots in Extended Data Fig. 4g, h represent individual mice. Error bars in Extended Data Fig. 4g, h represent mean±SEM.

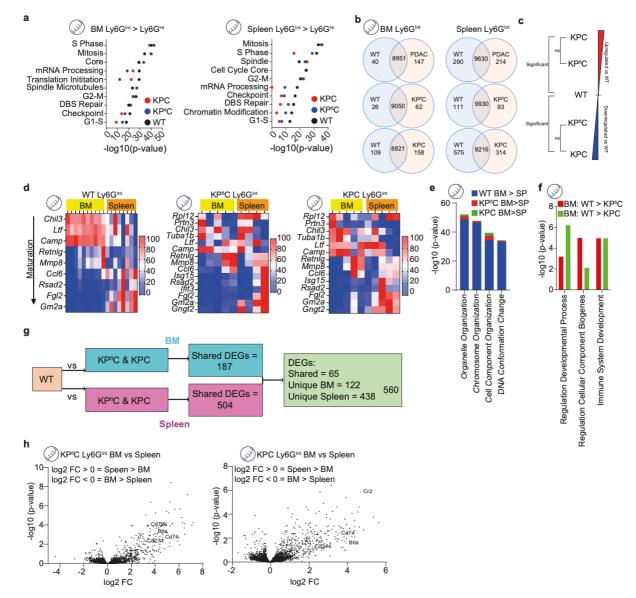


82 Extended Data Fig. 5. Splenic Ly6G^{Int} are immature and distinct from their BM counterparts. a, Flow cytometry plots for Ly6G^{Int}CD11b⁺ neutrophils in the spleens of PBS-control, CSF-3- and LPS-challenged mice. Data are 83 84 presented as mean±standard deviation. Data representative of: PBS n=7; CSF-3 n=7; LPS n=7. b, Flow cytometry 85 plots for the unipotent neutrophil progenitor, termed NeP (characterised by Zhu et al., 2018), in the peripheral 86 blood, BM, liver and spleen of naïve mice. Data are presented as mean±standard deviation. Data are 87 representative of: peripheral blood n=5 mice; BM n=5 mice; liver n=5 mice; spleen n=5 mice. c, Venn diagrams 88 for genes with unique and shared expression between Ly6G^{Hi} and Ly6G^{Int} neutrophils isolated from the spleen 89 of PBS-control (left) and LPS-challenged (right) mice. Data from transcriptomic analysis. d, Heatmap showing 90 row-scaled EdU⁺ as %Ly6G^{Int} and Ly6G^{Hi} neutrophils isolated from the spleen at 4, 12 and 24 hours post-EdU 91 injection. PBS 4hr, 12hr and 24hr Ly6G^{Int} and Ly6G^{Hi} n=5 mice; CSF-3 4hr, 12hr and 24hr Ly6G^{Int} and Ly6G^{Hi} n=5 92 mice; LPS 4hr, 12hr and 24hr Ly6G^{Int} and Ly6G^{Hi} n=5 mice. e, Quantification of Ki-67⁺ as %Ly6G^{Int} and Ly6G^{Hi} neutrophils in the spleen. PBS Ly6G^{Int} and Ly6G^{Hi} n=4 mice; CSF-3 Ly6G^{Int} and Ly6G^{Hi} n=4 mice; LPS Ly6G^{Int} and 93 94 Ly6G^{Hi} n=4 mice. Data were analysed by 2way ANOVA with Sidak's multiple comparisons test. **f**, Quantification 95 of CD101⁺ as %EdU⁺ neutrophils in the peripheral blood of naïve mice. At all time-points n=5 mice. g, 96 Quantification of total combined read no. for genes associated with pro-apoptosis (GO:0043065). Data from

97 transcriptomic analysis. h, Heatmap showing column scaled expression for transcription factors associated with 98 neutrophil maturation. Data from transcriptomic analysis. i, Volcano plot for genes associated with leukocyte 99 chemotaxis (GO:0030595) comparing BM Ly6G^{Int} and spleen Ly6G^{Int} neutrophils isolated from naïve mice. Data 100 from transcriptomic analysis. Fold change = FC. j, Quantification of CCR1⁺, CCR3⁺, CXCR1⁺ and CXCR2⁺ as %Ly6G^{Hi} 101 neutrophils in the BM, spleen and peripheral blood of naïve mice. CCR1⁺ BM, spleen, peripheral blood n=5 mice; 102 CCR3⁺ BM, spleen, peripheral blood n=5 mice; CXCR1⁺ BM, spleen, peripheral blood n=5 mice; CXCR2⁺ BM, 103 spleen, peripheral blood n=5 mice. Data were analysed by 2way ANOVA with Tukey's multiple comparisons test. 104 k, Top 10 most enriched Process Networks from DEGs with increased expression in BM Ly6G^{Int} compared to 105 spleen Ly6G^{Int} neutrophils from PBS-control mice. Data from transcriptomic analysis. I, Correlation for DEGs 106 increased in PBS-control spleen Ly6G^{Int} compared to BM Ly6G^{Int} with DEGs increased in PBS-control BM Ly6G^{Hi} 107 compared to BM Ly6G^{Int}, associated with the process network Inflammation Interferon Signaling. Data from 108 transcriptomic analysis. Fold change = FC.

109 Bulk Ly6G^{Int} and Ly6G^{Hi} neutrophil RNA-Seq data in Extended Data Fig. 5c, g-i, k, l. PBS BM: Ly6G^{Int} n=4 mice;

- 110 Ly6G^{Hi} n=4 mice. LPS-BM: Ly6G^{Int} n=3 mice; Ly6G^{Hi} n=3 mice. PBS peripheral blood: Ly6G^{Hi} n=4 mice. LPS
- 111 peripheral blood: Ly6G^{Int} n=4 mice; Ly6G^{Hi} n=4 mice. Dots in Extended Data Fig. 5e-g, j represent individual mice.
- 112 Error bars in Extended Data Fig. 5e, j represent mean±SEM.



115 Extended Data Fig. 6. Ly6G^{Int} neutrophils maintain their immature status and tissue specific phenotypes in 116 tumour bearing mice. a, DEGs associated with cell cycle regulation with increased expression in BM Ly6G^{Int} compared to Ly6G^{Hi} (left) and spleen Ly6G^{Int} compared to Ly6G^{Hi} (right) in WT, KP^{fl}C and KPC mice, shown as -117 Log10(p-value). Data from transcriptomic analysis. b, Venn diagrams for DEGs shared by KP^{fl}C and KPC (PDAC), 118 119 unique to KP^{fl}C and unique to KPC compared to WT for BM Ly6G^{Int} (left) and spleen Ly6G^{Int} neutrophils (right). 120 Data from transcriptomic analysis. c, Schematic showing proposed gene expression for Ly6G^{Int} neutrophils from KP^{fl}C and KPC mice compared to WT. d, Heatmap showing row scaled expression for genes associated with 121 neutrophil maturation (identified by Xie et al., 2020) for BM Ly6G^{Int} and spleen Ly6G^{Int} neutrophils from WT 122 (left), KP^{fl}C (middle) and KPC mice (right). Data from transcriptomic analysis. e, Enrichment analysis for GO 123 124 Processes associated with neutrophil development increased in BM Ly6G^{Int} compared to spleen Ly6G^{Int} 125 neutrophils from WT, KP^{fl}C and KPC mice. Data from transcriptomic analysis. f, Enrichment analysis for GO 126 Processes associated with neutrophil development increased in WT BM Ly6G^{Int} compared to KP^{fl}C and KPC BM 127 Ly6G^{Int} neutrophils. Data from transcriptomic analysis. g, Schematic for identification and comparison of 128 transcriptome changes identified in PDAC bearing compared to WT mice in BM and spleen Ly6G^{Int} neutrophils. 129 h, Volcano plot for 560 DEGs identified between BM and spleen Ly6G^{Int} shared by KP^{fl}C (left) and KPC (right) mice 130 compared to WT. Here, 122 DEGS are increased in BM > spleen Ly6G^{int} and 438 DEGs are increased in spleen > 131 BM Ly6G^{Int}. Data from transcriptomic analysis. Fold change = FC.

Bulk Ly6G^{Int} and Ly6G^{Hi} neutrophil RNA-Seq data in Fig. 5b-f. BM: WT Ly6G^{Int} n=10 mice; WT Ly6G^{Hi} n=10 mice;
 KP^{fl}C Ly6G^{Int} n=5 mice; KP^{fl}C Ly6G^{Hi} n=5 mice; KPC Ly6G^{Int} n=5 mice; KPC Ly6G^{Hi} n=5 mice. Spleen: WT Ly6G^{Int} n=8

134 mice; WT Ly6G^{Hi} n=10 mice; KP^{fl}C Ly6G^{Int} n=4 mice; KP^{fl}C Ly6G^{Hi} n=5 mice; KPC Ly6G^{Int} n=5 mice; KPC Ly6G^{Hi} n=5

135 mice.

136 <u>Tables:</u>

Peripheral blood	d vs perij	oheral blood	DEGs	Total DEGs
PBS BL Ly6GHi	>	LPS BL Ly6GHi	2634	4374
LPS BL Ly6GHi	>	PBS BL Ly6GHi	1740	43/4
LPS BL Ly6GHi	>	LPS BL Ly6GInt	567	1147
LPS BL Ly6GInt	>	LPS BL Ly6GHi	580	1147
<u>BM vs BM</u>			DEGs	Total DEGs
PBS BM Ly6GHi	>	PBS BM Ly6GInt	2004	5915
PBS BM Ly6GInt	>	PBS BM Ly6GHi	3911	3913
LPS BM Ly6GHi	>	LPS BM Ly6GInt	353	533
LPS BM Ly6GInt	>	LPS BM Ly6GHi	180	555
PBS BM Ly6GHi	>	LPS BM Ly6GHi	1421	3672
LPS BM Ly6GHi	>	PBS BM Ly6GHi	2251	3072
PBS BM Ly6GInt	>	LPS BM Ly6GInt	1699	2786
LPS BM Ly6GInt	>	PBS BM Ly6GInt	1087	2700
Spleen vs splee	<u>n</u>		DEGs	Total DEGs
PBS SP Ly6GHi	>	PBS SP Ly6GInt	2654	6896
PBS SP Ly6GInt	>	PBS SP Ly6GHi	4242	0090
LPS SP Ly6GHi	>	LPS SP Ly6GInt	1509	2717
LPS SP Ly6GInt	>	LPS SP Ly6GHi	1208	2717
PBS SP Ly6GHi	>	LPS SP Ly6GHi	2069	5448
LPS SP Ly6GHi	>	PBS SP Ly6GHi	3379	5440
PBS SP Ly6GInt	>	LPS SP Ly6GInt	2673	4000
LPS SP Ly6GInt	>	PBS SP Ly6GInt	1327	4000

137

Table 1. DEGs identified by p-value≤0.05 and fold change≥1.5 from comparisons of Ly6G^{Hi} and Ly6G^{Int} neutrophil

139 populations isolated from the peripheral blood (BL), bone marrow (BM) and spleen (SP) of PBS-control and LPS-

140 challenged mice. Data from transcriptomic analysis.

Ly6G ^{Int} Compariso	DEGs	Total DEGs			
PBS BM Ly6GInt	>	PBS SP Ly6GInt	93	968	
PBS SP Ly6GInt	>	PBS BM Ly6GInt	875	900	
LPS BM Ly6GInt	>	LPS SP Ly6GInt	112	684	
LPS SP Ly6GInt	>	LPS BM Ly6GInt	572	004	
LPS SP Ly6GInt	>	LPS PB Ly6GInt	18	50	
LPS PB Ly6GInt	>	LPS SP Ly6GInt	32	50	

141

Table 2. DEGs identified by p-value≤0.05 and fold change≥1.5 from comparisons of Ly6G^{int} neutrophil
 populations from the peripheral blood (PB), bone marrow (BM) and spleen (SP) of PBS-control and LPS challenged mice. Data from transcriptomic analysis.

Ly6G ^{<u>Hi PBS Com</u>}	parisons: I	DEGs	Total DEGs	
PB Ly6GHi	>	BM Ly6GHi	2274	3608
BM Ly6GHi	>	PB Ly6GHi	1334	3000
PB Ly6GHi	>	SP Ly6GHi	1628	1700
SP Ly6GHi	>	PB Ly6GHi	162	1790
PB Ly6GHi	>	LV Ly6G+	1466	2100
LV Ly6G+	>	PB Ly6GHi	640	2106
BM Ly6GHi	>	SP Ly6GHi	1882	2000
SP Ly6GHi	>	BM Ly6GHi	1208	3090
BM Ly6GHi	>	LV Ly6G+	2652	
LV Ly6GH+	>	BM Ly6GHi	2903	5555
SP Ly6GHi	>	LV Ly6G+	1451	2722
LV Ly6G+	>	SP Ly6GHi	2282	3733

- **Table 3.** DEGs identified by p-value≤0.05 and fold change≥1.5 from comparisons of Ly6G^H and Ly6G⁺ neutrophils
- 148 isolated from the peripheral blood (PB), bone marrow (BM), spleen (SP) and liver (LV) of PBS-control mice. Data
- 149 from transcriptomic analysis.

<u>Ly6G[≞] LPS Com</u>	parisons: Bi	lood, BM, SP, LV	DEGs	Total DEGs
PB Ly6GHi	>	BM Ly6GHi	591	1604
BM Ly6GHi	>	PB Ly6GHi	1013	1604
PB Ly6GHi	>	SP Ly6GHi	5	11
SP Ly6GHi	>	PB Ly6GHi	6	21.01
PB Ly6GHi	>	LV Ly6G+	108	323
LV Ly6G+	>	PB Ly6GHi	215	323
BM Ly6GHi	>	SP Ly6GHi	1153	1831
SP Ly6GHi	>	BM Ly6GHi	678	1031
BM Ly6GHi	>	LV Ly6G+	2121	2026
LV Ly6GH+	>	BM Ly6GHi	1115	3236
SP Ly6GHi	>	LV Ly6G+	71	244
LV Ly6G+	>	SP Ly6GHi	139	211

150

- **Table 4.** DEGs identified by p-value≤0.05 and fold change≥1.5 from comparisons of Ly6G^{Hi} and Ly6G⁺ neutrophils
- isolated from the peripheral blood, BM, spleen and liver of LPS-challenged mice. Data from transcriptomic

153	ana	lysis.

PDAC Ly6G ^{IM} : BM vs BM between genotypes							
Geno	Рор	VS	Geno	Рор	DEGs	Total DEGs	
WT	BMInt	>	KPflC	BMInt	66	275	
WT	BMInt	 	KPflC	BMInt	209	275	
WT	BMInt	>	KPC	BMInt	149	454	
WT	BMInt	<	KPC	BMInt	305	404	
KPflC	BMInt	>	KPC	BMInt	1	1	
KPflC	BMInt	<	KPC	BMInt	0	1	

- **Table 5.** DEGs identified by p-value≤0.05 from comparisons of Ly6G^{Int} neutrophils from the BM of WT, KP^{fl}C and
- 156 KPC mice. Data from transcriptomic analysis. Genotype = Geno; population = Pop.

	PDAC Ly6G ^{int} : Spleen vs Spleen between genotypes						
Geno	Рор	VS	Geno	Рор	DEGs	Total DEGs	
WT	SPInt	>	KPflC	SPInt	401	707	
WT	SPInt	<	KPflC	SPInt	306	707	
WT	SPInt	>	KPC	SPInt	865	1419	
WT	SPInt	<	KPC	SPInt	554	1419	
KPfIC	SPInt	>	KPC	SPInt	0	0	
KPfIC	SPInt	<	KPC	SPInt	0	0	

- **Table 6.** DEGs identified by p-value≤0.05 from comparisons of Ly6G^{Int} neutrophils from the spleen of WT, KP^{fl}C
- and KPC mice. Data from transcriptomic analysis. Genotype = Geno; population = Pop.

PDAC Ly6G ^{Int} : Unique and Shared DEGs compared to WT								
Tissue	Geno	Co	mpari	son		Total DEGs		
	WΤ	BMInt	>	KPfIC & KPC	40	187		
	VVI	BMInt	<	KPfIC & KPC	147	107		
вм	WТ	BMInt	>	KPfIC Only	26			
DIVI	DIVI VVI	BMInt	<	KPfIC Only	62	88		
	WT	BMInt	>	KPC Only	109			
		BMInt	<	KPC Only	158	267		
	WТ	SpleenInt	>	KPfIC & KPC	290	504		
	VVI	SpleenInt	<	KPfIC & KPC	214	504		
Splagn	WT	SpleenInt	>	KPfIC Only	111	204		
Spieen	Spleen WT	SpleenInt	<	KPfIC Only	93	204		
	10/7	SpleenInt	>	KPC Only	575	916		
	WT	SpleenInt	<	KPC Only	341	510		

160

Table 7. DEGs identified by p-value≤0.05 from the BM and spleen that are shared by KP^{fl}C and KPC compared to

162 WT, only identified in WT vs KP^{fl}C and only identified in WT vs KPC mice. Data from transcriptomic analysis.

163 Genotype = Geno.

PDAC Ly6G ^{Im} : BM vs Spleen within each genotype							
Geno		Compariso	on	DEGs	Total DEGs		
WT	BMInt	>	SPInt	461	1135		
	BMInt	<	SPInt	674	1155		
KPflC	BMInt	>	SPInt	6	155		
	BMInt	<	SPInt	149	100		
KPC	BMInt	>	SPInt	12	220		
	BMInt	<	SPInt	216	228		

164

165 **Table 8.** DEGs identified by p-value≤0.05 from comparisons of Ly6G^{Int} neutrophils from the BM and spleen in

166 WT, KP^{fl}C and KPC mice. Data from transcriptomic analysis. Genotype = Geno.

167

168

169

170