

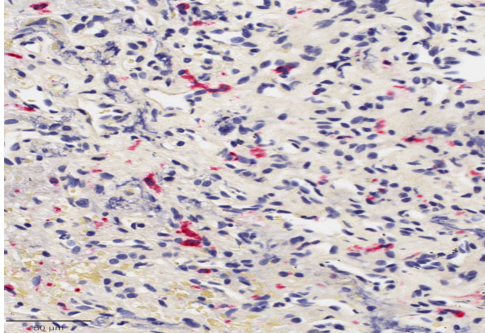
## Supplementary Table 1: Patient demographics

Patient number	Age	Sex	Tumour type	Mutation	Stage	Outcome
PGN01	34	M	Glomus vagale	None	Group A (NG)	Malignant/distant metastases
PGN02	53	F	Glomus tympanicum	None	Group B (F)	No recurrence
PGN03	37	F	Glomus jugulare	None	Group C1 (F)	Stable residuum
PGN04	26	M	Glomus jugulare	SDHB	Group D (F)	Stable residuum/vagal palsy
PGN05	39	F	Glomus jugulare	None	Group C1/2 (F)	Stable residuum
PGN06	51	F	Glomus tympanicum	None	Group B (F)	No recurrence
PGN07	50	F	Glomus jugulare	None	Group B (F)	Growing residuum
PGN08	72	F	Glomus jugulare	None	Group B (F)	Stable residuum/facial palsy
PGN09	28	F	Glomus jugulare	SDHB	Group C1 (F)	Stable residuum/vagal palsy
PGN10	42	M	Glomus jugulare	SDHD	Group B (F)	No recurrence/Facial palsy

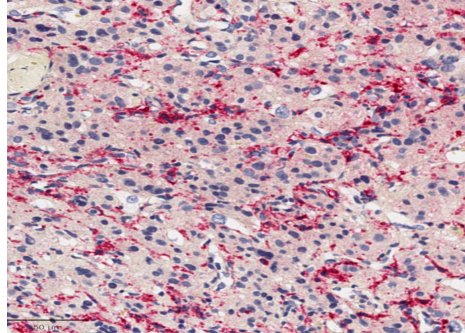
NG: Netteville Glasscock Classification

F: Fisch Classification

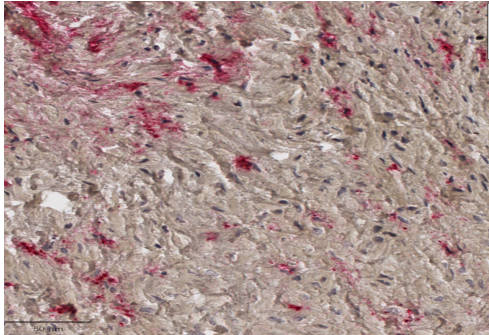
# Supplementary Figure 1



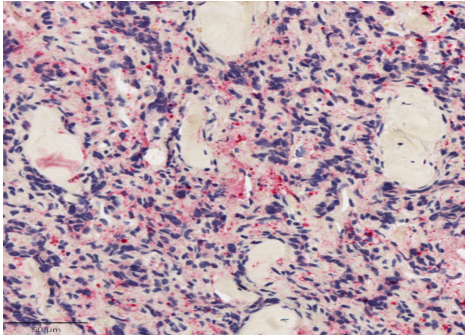
**PGN02**



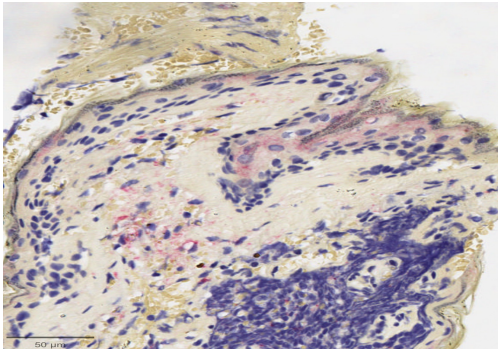
**PGN03**



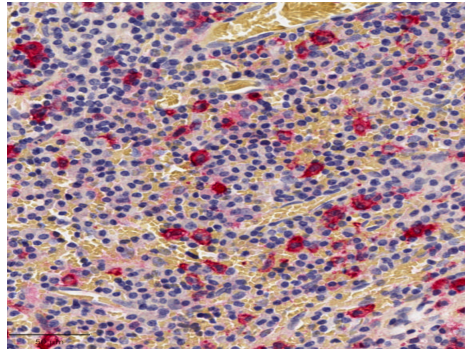
**PGN04**



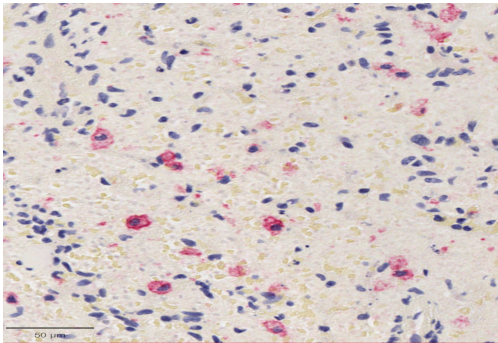
**PGN05**



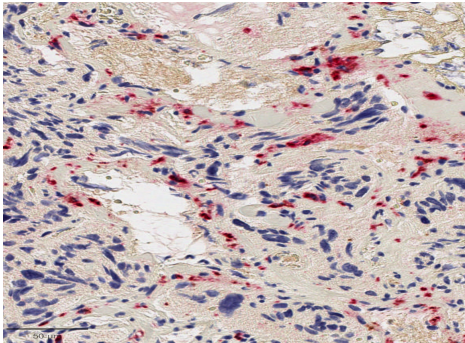
**PGN06**



**PGN07**

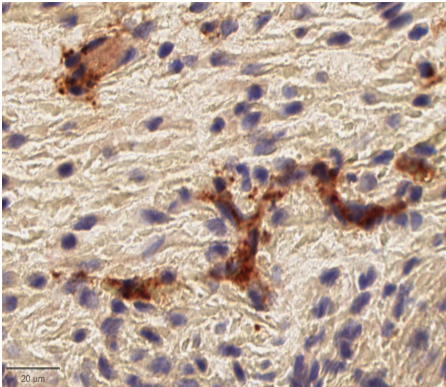


**PGN08**

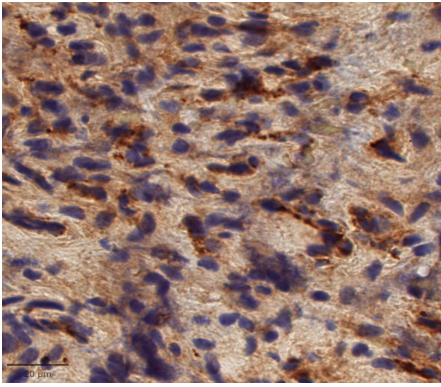


**PGN09**

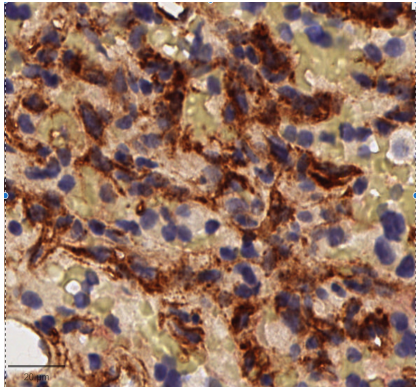
# Supplementary Figure 2



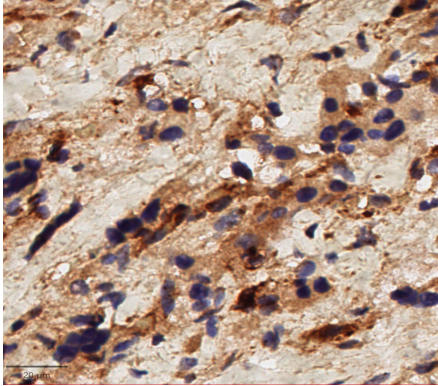
**PGN001**



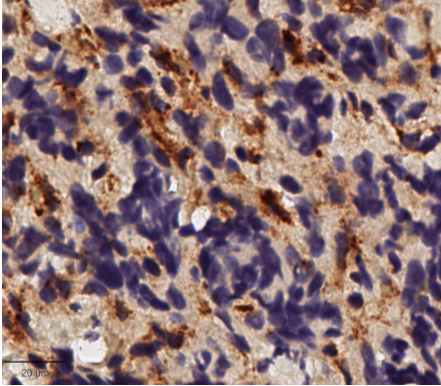
**PGN002**



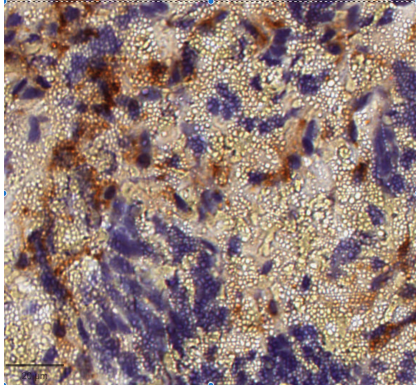
**PGN003**



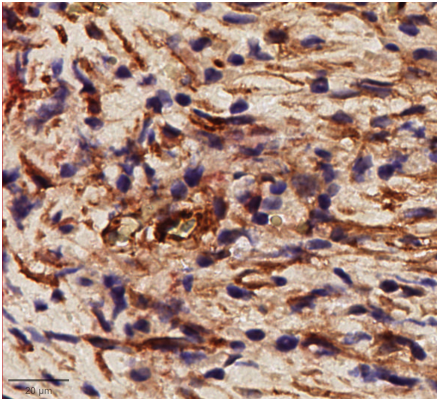
**PGN004**



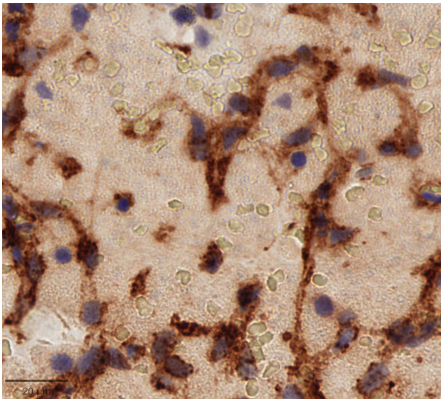
**PGN005**



**PGN006**

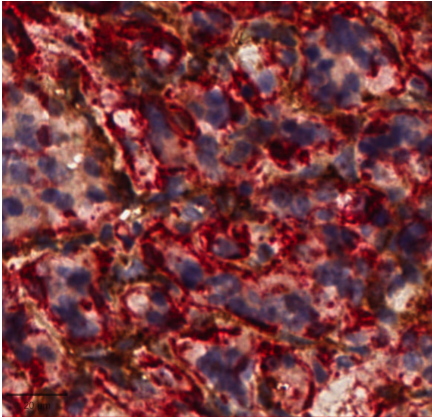


**PGN007**

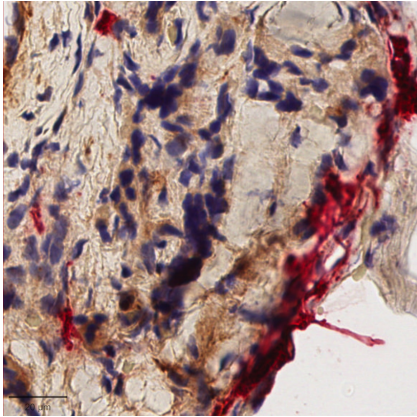


**PGN008**

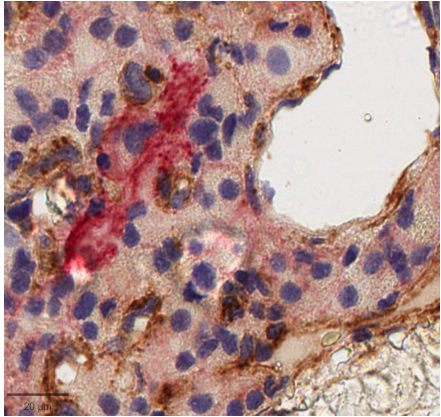
# Supplementary Figure 3



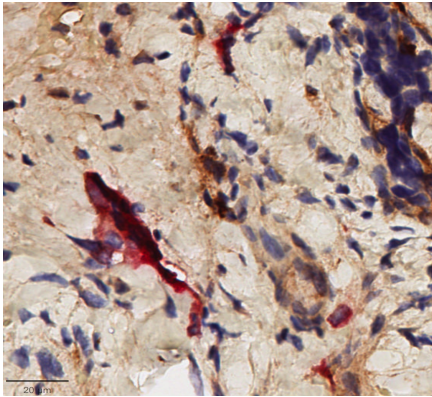
**PGN001**



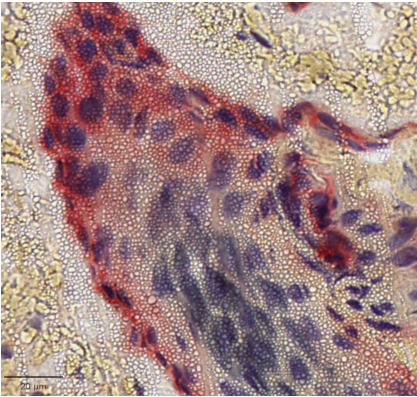
**PGN002**



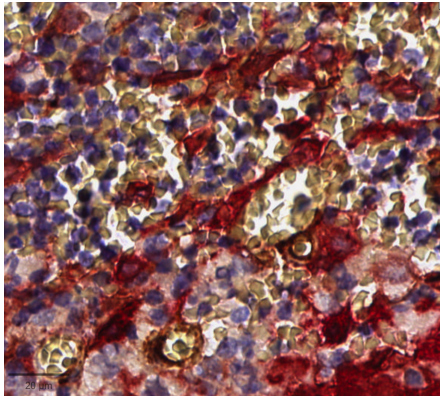
**PGN003**



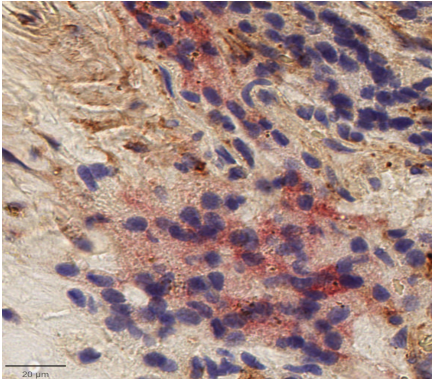
**PGN004**



**PGN006**

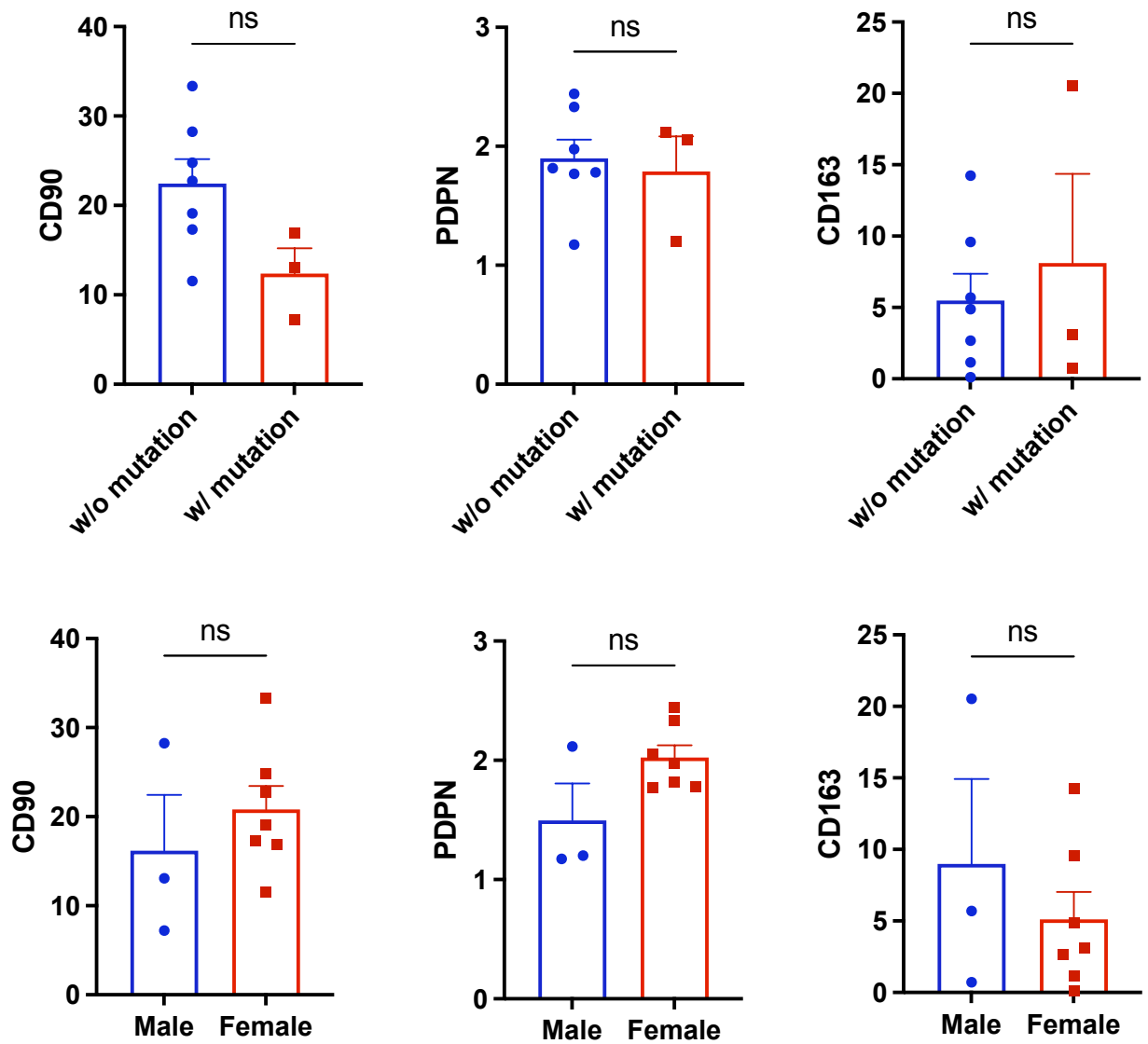


**PGN007**



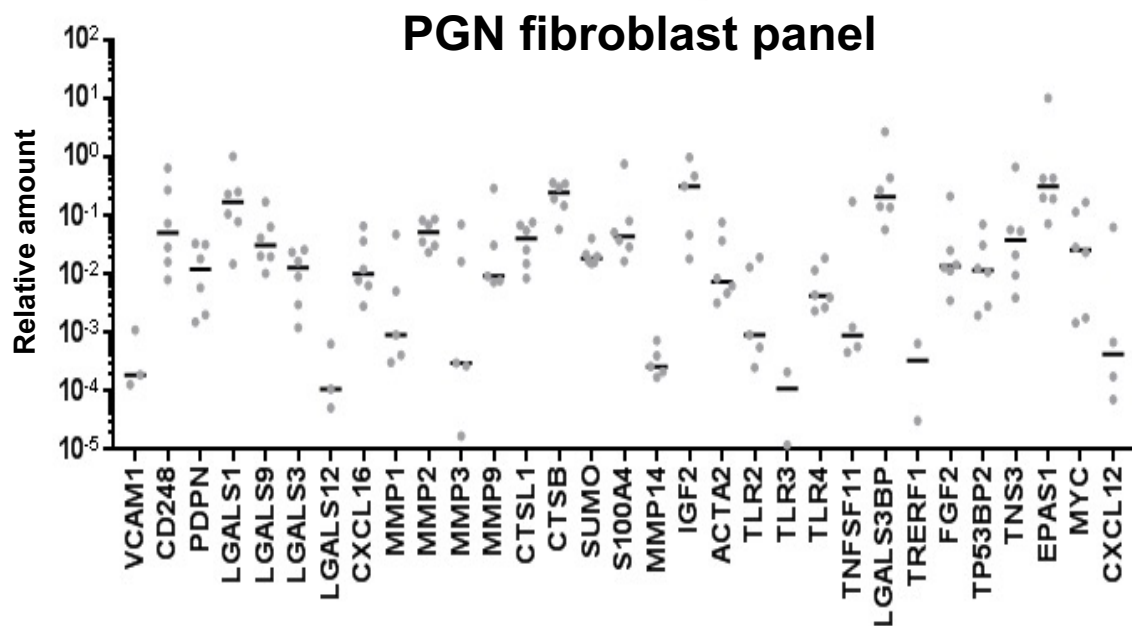
**PGN008**

# Supplementary Figure 4

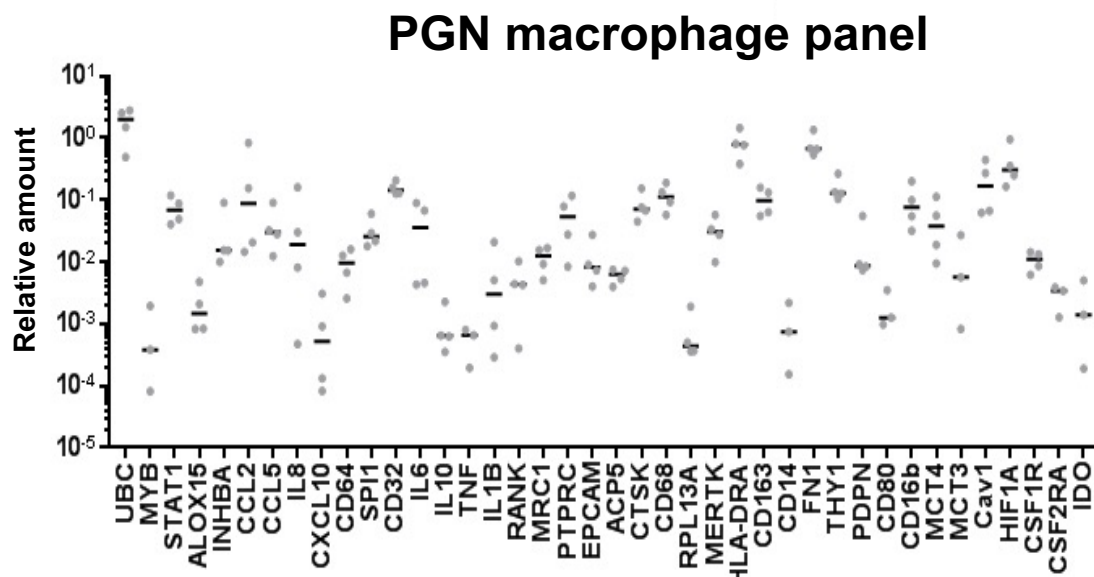


# Supplementary Figure 5

## A

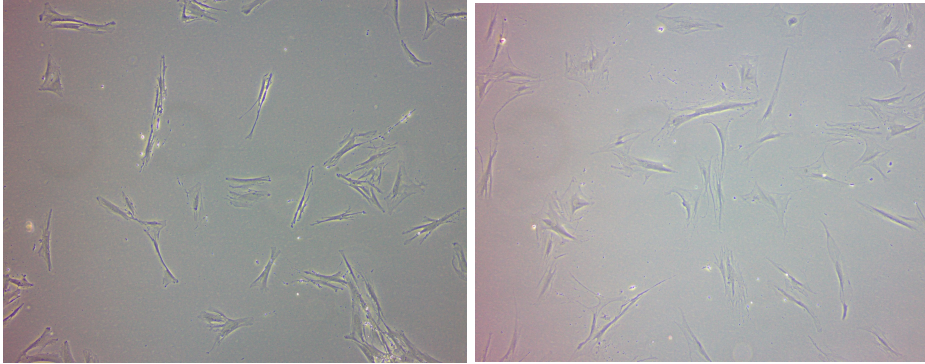


## B



# Supplementary Figure 6

**A**



**PGN fibroblasts**

**Mucosal fibroblasts**

**B**

