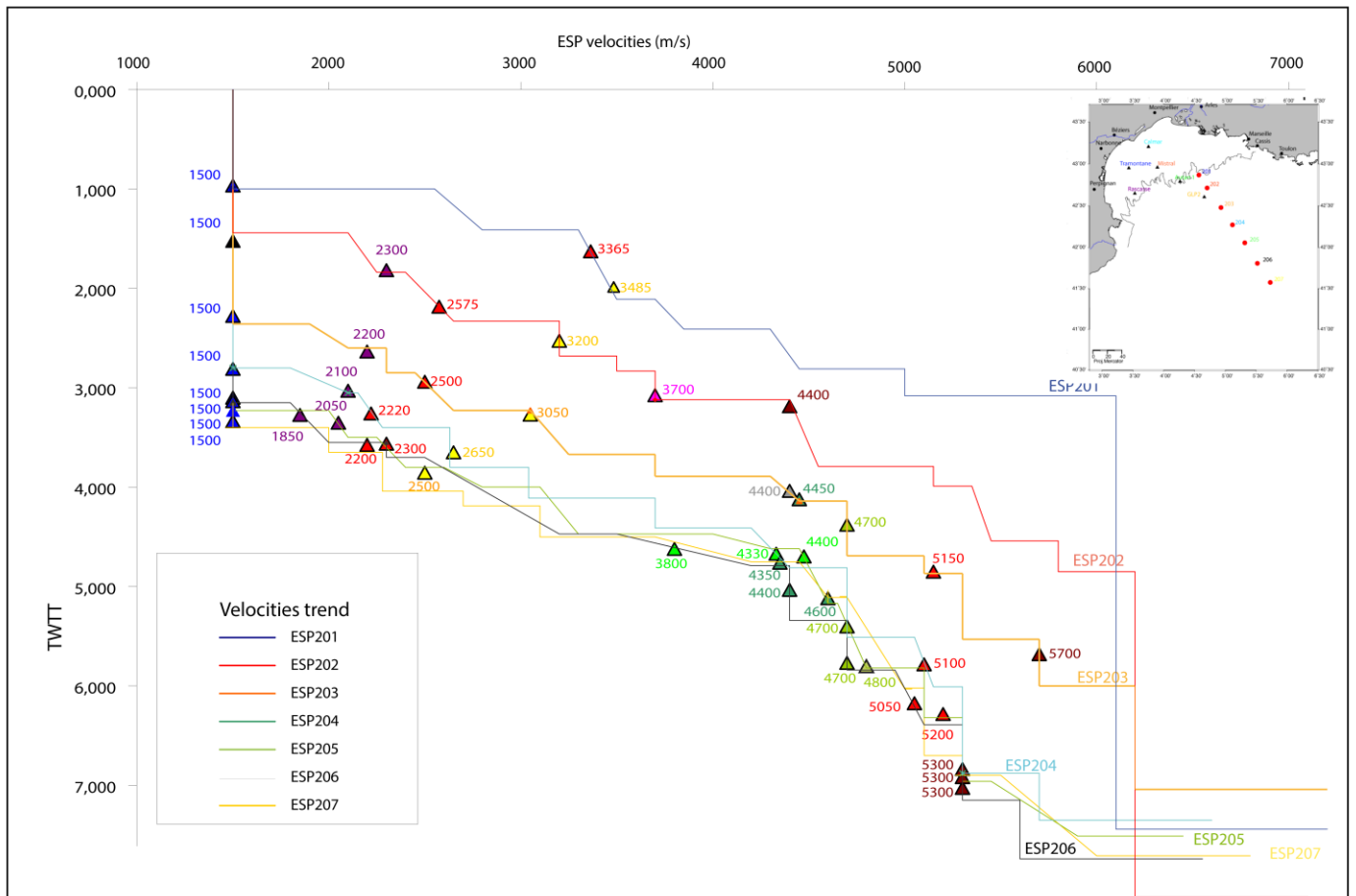


Supplementary Mat 1



Seismic velocities calculated on ECORS1 profile (for each reflector and ESP)

Pliocene-Pleistocene velocities (5.3 - 0 Ma) :

▲ Seabottom-ESP201 (1500 m/s)	▲ Q5-ESP202 (2300 m/s)	▲ Q10-ESP201 (3365 m/s)	▲ P11-ESP201 (3485 m/s)	▲ Abrasion-ESP202 (3700 m/s)
▲ Seabottom-ESP202 (1500 m/s)	▲ Q5-ESP203 (2200 m/s)	▲ Q10-ESP202 (2575 m/s)	▲ P11-ESP202 (3200 m/s)	▲ Top M2-ESP203 (4400 m/s)
▲ Seabottom-ESP203 (1500 m/s)	▲ Q5-ESP204 (2100 m/s)	▲ Q10-ESP203 (2500 m/s)	▲ P11-ESP203 (3050 m/s)	
▲ Seabottom-ESP204 (1500 m/s)	▲ Q5-ESP205 (1850 m/s)	▲ Q10-ESP204 (2220 m/s)	▲ P11-ESP204 (2650 m/s)	
▲ Seabottom-ESP205 (1500 m/s)	▲ Q5-ESP206 (2050 m/s)	▲ Q10-ESP205 (2200 m/s)	▲ P11-ESP205 (2500 m/s)	
▲ Seabottom-ESP206 (1500 m/s)		▲ Q10-ESP206 (2300 m/s)		
▲ Seabottom-ESP207 (1500 m/s)				

Miocene velocities (23 - 0 Ma) :

▲ TopSalt-ESP204 (4400 m/s)	▲ BaseSalt-ESP203 (4450 m/s)	▲ BaseEvapolf-ESP203 (4700 m/s)	▲ DBM-ESP203 (5150 m/s)	▲ Substratum-ESP202 (4400 m/s)
▲ TopSalt-ESP205 (3800 m/s)	▲ BaseSalt-ESP204 (4350 m/s)	▲ BaseEvapolf-ESP204 (4700 m/s)	▲ DBM-ESP204 (5100 m/s)	▲ Substratum-ESP203 (5700 m/s)
▲ TopSalt-ESP206 (4330 m/s)	▲ BaseSalt-ESP205 (4600 m/s)	▲ BaseEvapolf-ESP205 (4700 m/s)	▲ DBM-ESP205 (5050 m/s)	▲ Substratum-ESP204 (5300 m/s)
		▲ BaseEvapolf-ESP206 (4800 m/s)	▲ DBM-ESP205 (5200 m/s)	▲ Substratum-ESP205 (5300 m/s)
				▲ Substratum-ESP206 (5300 m/s)

Supplementary Mat 2

