

TABLE S4**Examples of TMD patterns of bands that altered in the amphipoid**

Type of alteration	TMD pattern ^a											
	TTR19		TQ27		S1		S2		S3		S4	
	H	M	H	M	H	M	H	M	H	M	H	M
Methylation alteration	-	+	-	+	-	+	-	+	-	+	+	+
	+	+	+	+	+	+	+	-	+	-	+	-
	-	-	+	+	-	-	+	+	+	+	+	+
	-	-	-	+	-	-	-	+	-	+	-	+
	-	-	+	+	-	-	-	+	-	+	-	+
	+	-	+	-	-	-	+	-	+	-	+	-
	-	+	-	-	-	-	-	+	-	+	-	+
	+	-	+	+	+	-	+	-	+	-	+	-
	-	-	+	+	+	-	+	-	+	-	+	-
	-	-	+	-	-	-	+	-	+	-	+	-
Methylation alteration in S1 or S2 followed by absence of bands	-	-	+	-	+	+	-	-	-	-	-	-
	+	+	+	+	+	-	-	-	-	-	-	-
	-	-	+	+	-	-	+	+	-	-	-	-
Absence of bands in S1 or S2	-	-	+	+	+	+	-	-	-	-	-	-
	-	-	-	+	-	-	-	-	-	-	-	-
	+	+	-	-	+	+	-	-	-	-	-	-
	+	+	-	-	+	+	-	-	-	-	-	-
	-	-	+	+	-	-	-	-	-	-	-	-
	-	-	+	+	-	-	-	-	-	-	-	-
	-	-	-	+	-	-	-	-	-	-	-	-
	-	-	-	+	-	-	-	-	-	-	-	-
	+	+	-	-	+	+	-	-	-	-	-	-
	-	+	-	-	-	-	-	-	-	-	-	-
	-	-	+	-	-	-	-	-	-	-	-	-
	-	-	-	+	-	-	-	-	-	-	-	-
	-	-	+	-	-	-	-	-	-	-	-	-
	-	-	+	+	-	-	-	-	-	-	-	-
	-	-	+	+	-	-	-	-	-	-	-	-
Appearance of novel bands in S2	-	-	-	-	-	-	+	-	+	-	+	-
	-	-	-	-	-	-	+	+	+	+	+	+

^a +, band present; -, band absent. H notes HpaII lane and M notes MspI lane (See Figure 1).