

<u>Zone</u>	<u>Chron at Base</u>	<u>Base Age (Ma)</u>	<u>Top Age (Ma)</u>	<u>Duration (my)</u>	<u>SBZ as defined by Serra-Kiel et al. (1998) and Cahuzac and Poignant (1997)</u>	<u>Reference</u>
SB23	base C9n	26.7	23.3	3.40	P22; top is Oligocene/Miocene boundary	Cahuzac and Poignant (1997)
SB22B	Chron 10n	28.6	26.7	1.90	P21B	Cahuzac and Poignant (1997)
SB22A	Chron 11.2r	30.4	28.6	1.80	P20-P21A	Cahuzac and Poignant (1997)
SB21	Chron 13r	33.9	30.4	3.50	NP23 base is Eocene-Oligocene boundary; P18-P19; NP21-	Serra-Kiel et al. (1998); Cahuzac and Poignant (1997)
SBZ20	Chron 15r	35.3	33.9	1.40	within NP19-20	Serra-Kiel et al. (1998)
SBZ 19	Chron 17.1n	37.2	35.3	1.90	base is Middle/Upper Eocene boundary; within P15, lower part of NP18;	Serra-Kiel et al. (1998)
SBZ 18	Chron 17.3r	38	37.2	0.80	NP18 lower part P15; upper part NP17 and lower part	Serra-Kiel et al. (1998)
SBZ17	Chron 19n	40.6	38	2.60	upper part of P12, includes P13 and P14	Serra-Kiel et al. (1998)
SBZ16	Chron 19r	41.4	40.6	0.80	NP16, P12	Serra-Kiel et al. (1998)
SBZ15	Chron 20n	42.9	41.4	1.50	upper part of NP15 and most of NP16	Serra-Kiel et al. (1998)
SBZ14	Chron 20r	45	42.9	2.10	upper part NP15	Serra-Kiel et al. (1998)
SBZ13	base Chron 22n	48.6	45	3.60	base is Lower/Middle Eocene boundary (P9-P10); zone within NP14-NP15	Serra-Kiel et al. (1998)
SBZ12	Chron 22n	49.9	48.6	1.30	within NP14 and P9	Serra-Kiel et al. (1998)
SBZ11	Chron 22r (near base Chron 23.1n)	50.8	49.9	0.90	NP13, lower part of NP14, and P8, P9	Serra-Kiel et al. (1998)
SBZ10	Chron 24.1r (near top of Chron 24.1n)	52.4	50.8	1.60	NP12 and P7	Serra-Kiel et al. (1998)
SBZ9	Chron 24.2r	53.3	52.4	0.90	upper part NP11, lower part NP12, and P6b	Serra-Kiel et al. (1998)
SBZ8	Chron 24.3r	54.4	53.3	1.10	P6a-P6b boundary in lower part, upper part NP10 and NP11	Serra-Kiel et al. (1998)

SBZ7	Chron 24.3r	55	54.4	0.60 upper NP9, lower and middle NP10	Serra-Kiel et al. (1998)
SBZ6	Chron 24.3r	55.4	55	0.40 within NP9 and P5	Serra-Kiel et al. (1998)
SBZ5	Chron 24.3r (near base of Chron 25n)	55.8	55.4	0.40 Paleocene-Eocene boundary base defined as PETM by Scheibner et al (2009); upper part NP8, lower part NP9; straddles P4/P5	Serra-Kiel et al. (1998); Scheiber and Speijer (2009)
SBZ4	Chron 25r	57.6	55.8	1.80 boundary	Serra-Kiel et al. (1998)
SBZ3	Chron 26r	59.7	57.6	2.10 zone within NP5-NP8, P4	Serra-Kiel et al. (1998)
SBZ2	Chron 26r	61.5	59.7	1.80 within P3	Serra-Kiel et al. (1998)
SBZ1	Chron 29r	65.5	61.5	4.00 base defined as Cretaceous-Tertiary boundary	Serra-Kiel et al. (1998)