Supplemental Material

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: San-Miguel J, Avet-Loiseau H, Paiva B, et al. Sustained Minimal Residual Disease Negativity in Newly Diagnosed Multiple Myeloma and the Impact of Daratumumab in MAIA and ALCYONE

Supplemental Table 1. Summary of Diagnostic or Baseline Bone Marrow Aspirate Sample Calibration Rate Based on the

		MAIA		ALCYONE			
	D-Rd	Rd	Total	D-VMP	VMP	Total	
Analysis set: ITT with ≥CR	n = 182	n = 100	n = 282	n = 160	n = 90	n = 250	
Patients with sample for testing ^a	179 (98.4%)	95 (95.0%)	274 (97.2%)	153 (95.6%)	83 (92.2%)	236 (94.4%)	
Patients with calibration success ^{b,c}	168 (93.9%)	87 (91.6%)	255 (93.1%)	142 (92.8%)	75 (90.4%)	217 (91.9%)	
Patients with calibration failure ^{b,d}	7 (3.9%)	6 (6.3%)	13 (4.7%)	8 (5.2%)	8 (9.6%)	16 (6.8%)	
Patients with unsuccessful assay run ^{b,e}	4 (2.2%)	2 (2.1%)	6 (2.2%)	3 (2.0%)	0	3 (1.3%)	
Patients without sample for testing ^{a,f}	3 (1.6%)	5 (5.0%)	8 (2.8%)	7 (4.4%)	7 (7.8%)	14 (5.6%)	

ClonoSEQ V2.0 Assay Among Patients in the ITT Population who Achieved a Best Response of ≥CR

ITT, intent-to-treat; CR, complete response; D-Rd, daratumumab plus lenalidomide/dexamethasone; Rd,

lenalidomide/dexamethasone; D-VMP, daratumumab plus bortezomib/melphalan/prednisone; VMP,

bortezomib/melphalan/prednisone.

^aPercentages calculated with the number of patients in each treatment group as the denominator.

^bPercentages calculated with the number of patients with sample for testing as the denominator.

^cPatients with multiple baseline samples, of which at least one successfully calibrated, are counted as calibration success only. ^dSample with no clone identified.

^eSample failed QC or not enough DNA.

^fIncludes patients that do not have either or both of a diagnostic or baseline and on-treatment sample collected and available.

	MAIA												
	D-Rd							Rd					
			MRI	D-negative pa	tients		MRD-negative patients						
				Not ≥6		Not ≥12				Not ≥6		Not ≥12	
	ITT	At any time	≥6 months	months	≥ 12 months	months	ITT	At any time	≥6 months	months	≥ 12 months	months	
Characteristic	(n = 368)	(n = 106)	(n = 55)	(n = 51)	(n = 40)	(n = 66)	(n = 369)	(n = 34)	(n = 16)	(n = 18)	(n = 9)	(n = 25)	
Age													
Median (range),	73.0 (50-90)	72.0 (65-87)	72.0 (66-85)	73.0 (65-87)	71.0 (66-85)	73.5 (65-87)	74.0 (45-89)	72.5 (66-87)	72.5 (66-87)	72.5 (68-84)	71.0 (69-78)	73.0 (66-87)	
years													
Distribution, n (%)													
<75 years	208 (56.5%)	68 (64.2%)	37 (67.3%)	31 (60.8%)	31 (77.5%)	37 (56.1%)	208 (56.4%)	20 (58.8%)	9 (56.3%)	11 (61.1%)	6 (66.7%)	14 (56.0%)	
\geq 75 years	160 (43.5%)	38 (35.8%)	18 (32.7%)	20 (39.2%)	9 (22.5%)	29 (43.9%)	161 (43.6%)	14 (41.2%)	7 (43.8%)	7 (38.9%)	3 (33.3%)	11 (44.0%)	
Sex, n (%)						/ />							
Male	189 (51.4%)	58 (54.7%)	34 (31.8%)	24 (47.1%)	25 (62.5%)	33 (50.0%)	195 (52.8%)	23 (67.6%)	8 (50.0%)	15 (83.3%)	5 (55.6%)	18 (72.0%)	
Female	179 (48.6%)	48 (45.3%)	21 (38.2%)	27 (52.9%)	15 (37.5%)	33 (50.0%)	174 (47.2%)	11 (32.4%)	8 (50.0%)	3 (16.7%)	4 (44.4%)	7 (28.0%)	
Race, n (%)													
White	336 (91.3%)	101 (95.3%)	54 (98.2%)	47 (92.2%)	39 (97.5%)	62 (93.9%)	339 (91.9%)	33 (97.1%)	16 (100.0%)	17 (94.4%)	9 (100.0%)	24 (96.0%)	
Non-White ^a	32 (8.7%)	5 (4.7%)	1 (1.8%)	4 (7.8%)	1 (2.5%)	4 (6.1%)	30 (8.1%)	1 (2.9%)	0	1 (5.6%)	0	1 (4.0%)	
ECOG performance													
status, n (%)													
0	127 (34.5%)	42 (39.6%)	20 (36.4%)	22 (43.1%)	12 (30.0%)	30 (45.5%)	123 (33.3%)	8 (23.5%)	2 (12.5%)	6 (33.3%)	2 (22.2%)	6 (24.0%)	
1	178 (48.4%)	47 (44.3%)	24 (43.6%)	23 (45.1%)	18 (45.0%)	29 (43.9%)	187 (50.7%)	15 (44.1%)	10 (62.5%)	5 (27.8%)	6 (66.7%)	9 (36.0%)	
≥2	63 (17.1%)	17 (16.0%)	11 (20.0%)	6 (11.8%)	10 (25.0%)	7 (10.6%)	59 (16.0%)	11 (32.4%)	4 (25.0%)	7 (38.9%)	1 (11.1%)	10 (40.0%)	
Type of measurable disease, n (%)													
IgG	225 (61.1%)	57 (53.8%)	17 (30.9%)	22 (43.1%)	12 (30.0%)	27 (40.9%)	231 (62.6%)	24 (70.6%)	10 (62.5%)	11 (61.1%)	7 (77.8%)	14 (56.0%)	
IgA	65 (17.7%)	27 (25.5%)	11 (20.0%)	9 (17.6%)	7 (17.5%)	13 (19.7%)	66 (17.9%)	5 (14.7%)	3 (18.8%)	2 (11.1%)	0	5 (20.0%)	
Detected in urine only	40 (10.9%)	15 (14.2%)	8 (14.5%)	7 (13.7%)	7 (17.5%)	8 (12.1%)	34 (9.2%)	1 (2.9%)	1 (6.3%)	0	0	1 (4.0%)	
Detected in serum free light chains only	29 (7.9%)	7 (6.6%)	2 (3.6%)	5 (9.8%)	0	7 (10.6%)	28 (7.6%)	3 (8.8%)	1 (6.3%)	2 (11.1%)	1 (11.1%)	2 (8.0%)	
ISS disease stage ^b , n													
(%)													
I	98 (26.6%)	24 (22.6%)	11 (20.0%)	13 (25.5%)	10 (25.0%)	14 (21.2%)	103 (27.9%)	11 (32.4%)	6 (37.5%)	5 (27.8%)	5 (55.6%)	6 (24.0%)	
II	163 (44.3%)	55 (51.9%)	30 (54.5%)	25 (49.0%)	19 (47.5%)	36 (54.5%)	156 (42.3%)	15 (44.1%)	6 (37.5%)	9 (50.0%)	3 (33.3%)	12 (48.0%)	
III	107 (29.1%)	27 (25.5%)	14 (25.5%)	13 (25.5%)	11 (27.5%)	16 (24.2%)	110 (29.8%)	8 (23.5%)	4 (25.0%)	4 (22.2%)	1 (11.1%)	7 (28.0%)	
Cytogenetic profile ^c													

Supplemental Table 2. Demographic and Baseline Disease Characteristics in Patients in MAIA Based on MRD Durability

Patients evaluated	319	96	47	49	34	62	323	27	12	15	8	19
Standard-risk	271 (85.0%)	85 (88.5%)	42 (89.4%)	43 (87.8%)	29 (85.3%)	56 (90.3%)	279 (86.4%)	26 (96.3%)	12 (100.0%)	14 (93.3%)	8 (100.0%)	18 (94.7%)
cytogenetic												I
abnormality, n (%)												
High-risk	48 (15.0%)	11 (11.5%)	5 (10.6%)	6 (12.2%)	5 (14.7%)	6 (9.7%)	44 (13.6%)	1 (3.7%)	0	1 (6.7%)	0	1 (5.3%)
cytogenetic												
abnormality ^d , n (%)												I
del(17p)	25 (7.8%)	6 (6.3%)	2 (4.3%)	4 (8.2%)	2 (5.9%)	4 (6.5%)	29 (9.0%)	0	0	0	0	0
Median time since	0.95	0.94	0.85	1.15	0.69	1.18	0.89	0.89	1.07	0.76	1.08	0.76
initial diagnosis of												
multiple myeloma												
(months)											1	I

MRD, minimal residual disease; D-Rd, daratumumab plus lenalidomide/dexamethasone; Rd, lenalidomide/dexamethasone; ITT, intent to treat; ECOG, Eastern Cooperative Oncology Group; Ig, immunoglobulin; ISS, International Staging System.

All data are n (%), unless otherwise indicated.

^aIncludes Black or African-American, Asian, other, unknown, and not reported.

^bISS staging is derived based on the combination of serum β 2-microglobulin and albumin.

^cCytogenetic risk status was determined by fluorescence in situ hybridization or karyotype testing.

^dHigh risk is defined as having a positive test for any of the del17p, t(14;16), or t(4;14) molecular abnormalities.

Supplemental Table 3. Demographic and Baseline Disease Characteristics in Patients in ALCYONE Based on MRD

Durability

	ALCYONE												
	D-VMP						VMP						
		MRD-negative patients				MRD-negative patients							
Characteristic	ITT (n = 350)	At any time (n = 94)	≥ 6 months (n = 55)	Not ≥6 months (n = 39)	≥12 months (n = 49)	Not ≥12 months (n = 45)	ITT (n = 356)	At any time (n = 25)	≥6 months (n = 16)	Not≥6 months (n = 9)	≥12 months (n = 10)	Not ≥12 months (n = 15)	
Age													
Median (range), years Distribution, n	71.0 (40-93)	71.0 (40-93)	71.0 (40- 87)	71.0 (56- 93)	71.0 (40- 87)	71.0 (56- 93)	71.0 (50-91)	73.0 (52- 82)	73.0 (52- 82)	74.0(67- 81)	72.0 (52- 82)	74.0 (67-82)	
(70) <75 years	246 (70.3%)	68 (72 3%)	39 (70.9%)	29 (74 4%)	36 (73 5%)	32 (71 1%)	249 (69 9%)	15 (60.0%)	10 (62 5%)	5 (55.6%)	6 (60.0%)	9 (60 0%)	
<75 years	104 (29 7%)	26 (27.7%)	16 (29 1%)	10 (25 6%)	13 (26 5%)	13 (28 9%)	107(30.1%)	10 (40 0%)	6(37.5%)	4 (44 4%)	4(40.0%)	6 (40 0%)	
Sex, n (%)	101(2).(7)	20 (27.770)	10 (2).170)	10 (20.070)	15 (20.570)	15 (20.970)	107 (50.170)	10 (10.070)	0 (0 / 10 / 10)	. (1 (10.070)	0 (10.070)	
Male	160 (45.7%)	35 (37.2%)	17 (30.9%)	18 (46.2%)	14 (28.6%)	21 (46.7%)	167 (46.9%)	10 (40.0%)	5 (31.3%)	5 (55.6%)	4 (40.0%)	6 (40.0%)	
Female	190 (54.3%)	59 (62.8%)	38 (69.1%)	21 (53.8%)	35 (71.4%)	24 (53.3%)	189 (53.1%)	15 (60.0%)	11 (68.8%)	4 (44.4%)	6 (60.0%)	9 (60.0%)	
Race, n (%)													
White	297 (84.9%)	76 (80.9%)	47 (85.5%)	29 (74.4%)	41 (83.7%)	35 (77.8%)	304 (85.4%)	23 (92.0%)	14 (87.5%)	9 (100.0%)	8 (80.0%)	15 (100.0%)	
Non-White ^a	53 (15.1%)	18 (19.1%)	8 (14.5%)	10 (25.6%)	8 (16.3%)	10 (22.2%)	52 (14.6%)	2 (8.0%)	2 (12.5%)	0	2 (20.0%)	0	
ECOG													
performance status, $n(\%)$													
0	78 (22.3%)	17 (18.1%)	11 (20.0%)	6 (15.4%)	11 (22.4%)	6 (13.3%)	99 (27.8%)	7 (28.0%)	4 (25.0%)	3 (33,3%)	2 (20.0%)	5 (33,3%)	
1	182 (52.0%)	51 (54.3%)	27 (49.1%)	24 (61.5%)	22 (44.9%)	29 (64.4%)	173 (48.6%)	10(40.0%)	8 (50.0%)	2 (22.2%)	4 (40.0%)	6 (40.0%)	
2	90 (25.7%)	26 (27.7%)	17 (30.9%)	9 (23.1%)	16 (32.7%)	10 (22.2%)	84 (23.6%)	8 (32.0%)	4 (25.0%)	4 (44.4%)	4 (40.0%)	4 (26.7%)	
Type of measurable disease, n (%)				, ()				· ()		. ()	. ()	. ()	
IgG	143 (40.9%)	31 (33.0%)	19 (34.5%)	12 (30.8%)	18 (36.7%)	13 (28.9%)	140 (39.3%)	8 (32.0%)	4 (25.0%)	4 (44.4%)	4 (40.0%)	4 (26.7%)	
IgA	49 (14.0%)	12 (12.8%)	7 (12.7%)	5 (12.8%)	6 (12.2%)	6 (13.3%)	53 (14.9%)	5 (20.0%)	4 (25.0%)	1 (11.1%)	1 (10.0%)	4 (26.7%)	
Detected in urine only	43 (12.3%)	16 (17.0%)	12 (21.8%)	4 (10.3%)	11 (22.4%)	5 (11.1%)	37 (10.4%)	7 (28.0%)	5 (31.3%)	2 (22.2%)	3 (30.0%)	4 (26.7%)	
Detected in serum free light chains only	18 (5.1%)	7 (7.4%)	3 (5.5%)	4 (10.3%)	2 (4.1%)	5 (11.1%)	18 (5.1%)	2 (8.0%)	1 (6.3%)	1 (11.1%)	1 (10.0%)	1 (6.7%)	

ISS disease stage ^b ,												
n (%)												
Ι	69 (19.7%)	16 (17.0%)	9 (16.4%)	7 (17.9%)	9 (18.4%)	7 (15.6%)	67 (18.8%)	5 (20.0%)	3 (18.8%)	2 (22.2%)	2 (20.0%)	3 (20.0%)
II	139 (39.7%)	39 (41.5%)	25 (45.5%)	14 (35.9%)	23 (46.9%)	16 (35.6%)	160 (44.9%)	10 (40.0%)	6 (37.5%)	4 (44.4%)	5 (50.0%)	5 (33.3%)
III	142 (40.6%)	39 (41.5%)	21 (38.2%)	18 (46.2%)	17 (34.7%)	22 (48.9%)	129 (36.2%)	10 (40.0%)	7 (43.8%)	3 (33.3%)	3 (30.0%)	7 (46.7%)
Cytogenetic profile ^c												
Patients evaluated	314	88	52	36	46	42	302	23	14	9	9	14
Standard-risk cytogenetic abnormality, n (%)	261 (83.1%)	74 (84.1%)	46 (88.5%)	28 (77.8%)	40 (87.0%)	34 (81.0%)	257 (85.1%)	19 (82.6%)	11 (78.6%)	8 (88.9%)	7 (77.8%)	12 (85.7%)
High-risk cytogenetic abnormality ^d , n (%)	53 (16.9%)	14 (15.9%)	6 (11.5%)	8 (22.2%)	6 (13.0%)	8 (19.0%)	45 (14.9%)	4 (17.4%)	3 (21.4%)	1 (11.1%)	2 (22.2%)	2 (14.3%)
del(17p)	29 (9.2%)	8 (9.1%)	4 (7.7%)	4 (11.1%)	4 (8.7%)	4 (9.5%)	27 (8.9%)	3 (13.0%)	2 (14.3%)	1 (11.1%)	1 (11.1%)	2 (14.3%)
Median time since initial diagnosis of multiple myeloma (months)	0.76	0.79	0.92	0.66	0.92	0.66	0.82	0.85	1.05	0.69	1.40	0.69

MRD, minimal residual disease; D-VMP, daratumumab plus bortezomib/melphalan/prednisone; VMP,

bortezomib/melphalan/prednisone; ITT, intent to treat; ECOG, Eastern Cooperative Oncology Group; Ig, immunoglobulin; ISS, International Staging System.

All data are n (%), unless otherwise indicated.

^aIncludes Black or African-American, Asian, other, unknown, and not reported.

^bISS staging is derived based on the combination of serum β 2-microglobulin and albumin.

^cCytogenetic risk status was determined by fluorescence in situ hybridization or karyotype testing.

^dHigh risk is defined as having a positive test for any of the del17p, t(14;16) or t(4;14) molecular abnormalities.

	M	AIA	ALCYONE				
	D-Rd	Rd	D-VMP	VMP			
	n = 368 (ITT)	n = 369 (ITT)	n = 350 (ITT)	n = 356 (ITT)			
PFS2 ^a							
MRD negative (10^{-5}) at ≥ 1 time point, n (%) ^b	106 (28.8%)	34 (9.2%)	94 (26.9%)	25 (7.0%)			
Number of events (%); number censored (%) ^c	6 (5.7%); 100 (94.3%)	4 (11.8%); 30 (88.2%)	15 (16.0%); 79 (84.0%)	4 (16.0%); 21 (84.0%)			
Median (95% CI), months	NR (NE-NE)	NR (NE-NE)	NR (NE-NE)	NR (40.7-NE)			
HR (95% CI), <i>P</i> value	0.43 (0.12-1.5	5); $P = 0.1853^{d}$	$1.02 (0.34-3.09); P = 0.9668^{d}$				
36-month PFS2 rate, % (95% CI)	95.0 (88.4-97.9)	83.9 (61.3-93.9)	87.0 (78.2-92.4)	92.0 (71.6-97.9)			
MRD positive, n (%) ^b	262 (71.2%)	335 (90.8%)	256 (73.1%)	331 (93.0%)			
Number of events (%); number censored (%) ^c	90 (34.4%); 172 (65.6%)	117 (34.9%); 218 (65.1%)	87 (34.0%); 169 (66.0%)	148 (44.7%); 183 (55.3%)			
Median (95% CI), months	NR (41.0-NE)	47.3 (39.2-NE)	NR (NE-NE)	38.0 (34.1-NE)			
HR (95% CI), <i>P</i> value	0.90 (0.68-1.1	8); $P = 0.4457^{e}$	$0.64 (0.49 - 0.83); P = 0.0008^{d}$				
36-month PFS2 rate, % (95% CI)	65.5 (59.0-71.3)	61.5 (55.3-67.0)	67.9 (61.6-73.5)	51.9 (45.9-57.6)			

Supplemental Table 4. Progression-free Survival on Next Subsequent Line of Therapy Based on MRD Status

MRD, minimal residual disease; D-Rd, daratumumab plus lenalidomide/dexamethasone; Rd, lenalidomide/dexamethasone; D-VMP, daratumumab plus bortezomib/melphalan/prednisone; VMP, bortezomib/melphalan/prednisone; ITT, intent-to-treat; CI, confidence interval; NR, not reached; NE, not evaluable; HR, hazard ratio; PFS2, progression-free survival on next subsequent line of therapy.

^aPFS2 was defined as the time from randomization to progression on the next line of treatment or death, whichever came first. Disease progression was based on investigator judgment. For those patients who were still alive and not yet progressed on the next line of treatment, they were censored on the last date of follow-up.

^bPercentages calculated using the total number of patients in each column heading (ITT population) as the denominator.

^cPercentages calculated using the number of patients in each column from the row immediately above the number of events (%); number censored (%).

^dHR and 95% CI from a Cox proportional hazards model with treatment group as the sole explanatory variable. A hazard ratio <1 indicates an advantage for D-Rd or D-VMP. *P* value is based on the log-rank test.

Variable	Hazard ratio (95% CI)	P value
Univariate analysis		
Response group (MRD negative vs MRD positive)	0.18 (0.11-0.28)	< 0.0001
Multivariate analysis		
Response group (MRD negative vs MRD positive)	0.18 (0.11-0.29)	< 0.0001
Age	1.00 (0.98-1.01)	0.533
ISS disease stage (II vs I)	1.77 (1.41-2.22)	< 0.0001
ISS disease stage (III vs I)	1.97 (1.54-2.51)	< 0.0001
Baseline renal function (>60 mL/min vs ≤60 mL/min)	1.02 (0.86-1.22)	0.786
Cytogenetic risk (high vs standard)	1.52 (1.25-1.86)	< 0.0001

Supplemental Table 5. Cox Proportional Hazards Model for PFS with Time-varying Covariates for MRD Status.

PFS, progression-free survival; MRD, minimal residual disease; CI, confidence interval; ISS, International Staging System; CR, complete response.

Data are for a univariate and multivariate analysis of combined data from the MAIA and ALCYONE studies evaluating the following variables: MRD-negativity status, age, ISS disease stage, baseline renal function, and cytogenetic risk. MRD-negativity rate was defined as the proportion of patients who achieved \geq CR with negative MRD test results at any time during treatment. A patient was considered MRD positive if MRD negativity was not achieved or if a test was inconclusive or missing, or if they did not reach a best response of \geq CR. No patients were missing data for baseline renal function; patients with missing baseline cytogenetic risk groups (MAIA, n = 95; ALCYONE, n = 90) were excluded from the multivariate model.

Supplemental Figure 1. CONSORT diagrams for MAIA (A) and ALCYONE (B). D-Rd, daratumumab plus lenalidomide/dexamethasone; ITT, intent to treat; Rd, lenalidomide/dexamethasone; D-VMP, daratumumab plus bortezomib/melphalan/prednisone; VMP, bortezomib/melphalan/prednisone.

(A) MAIA



(B) ALCYONE¹¹



Supplemental Figure 2. PFS by treatment group based on MRD status (10⁻⁵) in MAIA (A) and ALCYONE (B). Shown are Kaplan-Meier estimates of PFS by MRD status among patients in the ITT populations. MRD was assessed at a threshold of 1 tumor cell per 10⁵ white blood cells. Purple lines show regimens containing daratumumab (D-Rd and D-VMP); orange lines show standard of care regimens (Rd and VMP). PFS, progression-free survival; MRD, minimal residual disease; ITT, intent to treat; D-Rd, daratumumab plus lenalidomide/dexamethasone. D-VMP, daratumumab plus bortezomib/melphalan/prednisone. MRD, minimal residual disease; Rd, lenalidomide/dexamethasone; VMP, bortezomib/melphalan/prednisone.



Supplemental Figure 3. PFS based on sustained minimal residual disease (MRD) negativity (10–5; \geq 6 months) in MAIA (A), ALCYONE (B), and in both studies pooled (C), and by treatment group for MAIA (D) and ALCYONE (E). Shown are Kaplan-Meier estimates of PFS by sustained MRD negativity lasting \geq 6 months among patients in the ITT populations. MRD status was assessed at a threshold of 1 tumor cell per 10⁵ white blood cells. Purple lines show MRD-negative patient populations and orange lines show MRD-positive patient populations in panels A-C (D-Rd/Rd shown for MAIA [A]; D-VMP/VMP for ALCYONE [B]; D-Rd/Rd/D-VMP/VMP for all studies combined [C]; purple lines show regimens containing daratumumab (D-Rd for MAIA [D]; and D-VMP for ALCYONE [E]); orange lines show standard of care regimens (Rd for MAIA [D]; VMP for ALCYONE [E]. PFS, progression-free survival; MRD, minimal residual disease; ITT, intent to treat; D-Rd, daratumumab plus lenalidomide/dexamethasone; Rd, lenalidomide/dexamethasone; D-VMP, daratumumab plus bortezomib/melphalan/prednisone; VMP, bortezomib/melphalan/prednisone.





E. ALCYONE





VMP, MFID pos 331 279 253 238 221 183 147 105 88 73 59 50 35 18 12 4 0 0 D-VMP, MFID pos 256 228 218 205 200 174 154 135 127 122 112 99 90 63 37 14 5 0

Supplemental Figure 4. PFS by treatment group based on sustained MRD negativity (10^{-5} ; ≥ 12 months) in MAIA (A) and ALCYONE (B). Shown are Kaplan-Meier estimates of PFS by sustained MRD negativity lasting ≥ 12 months among patients in the ITT populations. MRD status was assessed at a threshold of 1 tumor cell per 10^5 white blood cells. Purple lines show regimens containing daratumumab (D-Rd and D-VMP); orange lines show standard of care regimens (Rd and VMP). PFS for patients with sustained MRD negativity lasting ≥ 12 months was previously reported for ALCYONE.¹¹ PFS, progression-free survival; MRD, minimal residual disease; ITT, intent to treat; D-Rd, daratumumab plus lenalidomide/dexamethasone; D-VMP, daratumumab plus bortezomib/melphalan/prednisone; Rd, lenalidomide/dexamethasone; VMP, bortezomib/melphalan/prednisone.



Supplemental Figure 5. PFS based on sustained MRD (10⁻⁵) negativity lasting ≥ 6 months (A) or ≥ 12 months (B) in the pooled daratumumab-based combination groups (D-Rd/D-VMP) versus the pooled control groups (Rd/VMP) in MAIA and ALCYONE. Shown are the results of the Kaplan-Meier estimates of PFS among patients in the ITT population based on the absence of MRD at a threshold of 1 tumor cell per 10⁵ white blood cells or on sustained MRD negativity at ≥ 6 or ≥ 12 months at a threshold of 1 tumor cell per 10⁵ white blood cells or on sustained MRD negativity at ≥ 6 or ≥ 12 months at a threshold of 1 tumor cell per 10⁵ white blood cells or on sustained MRD negativity at ≥ 6 or ≥ 12 months at a threshold of 1 tumor cell per 10⁵ white blood cells. PFS, progression-free survival; MRD, minimal residual disease; D-Rd, daratumumab plus lenalidomide/dexamethasone; D-VMP, daratumumab plus bortezomib/melphalan/prednisone; Rd, lenalidomide/dexamethasone; VMP, bortezomib/melphalan/prednisone; ITT, intent to treat.

