



Building the World's Leading Neuromuscular Disease Company

COMPANY OVERVIEW | JANUARY 2025



Sarah, living with DM1

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OUR MISSION

Life-transforming therapies
for patients with serious muscle diseases

Aiming to Deliver Transformative Therapies for Neuromuscular Diseases



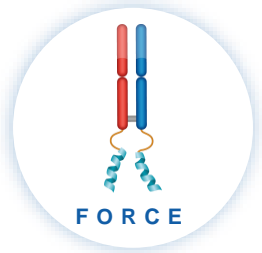
LATE-STAGE PIPELINE

Two clinical programs moving to registrational expansion cohorts for DM1 and DMD following positive proof-of-concept data



NEAR-TERM VALUE DRIVERS

Key data readouts in 2025 & 2026 potentially enabling two submissions for U.S. Accelerated Approval in 2026



DIFFERENTIATED PLATFORM

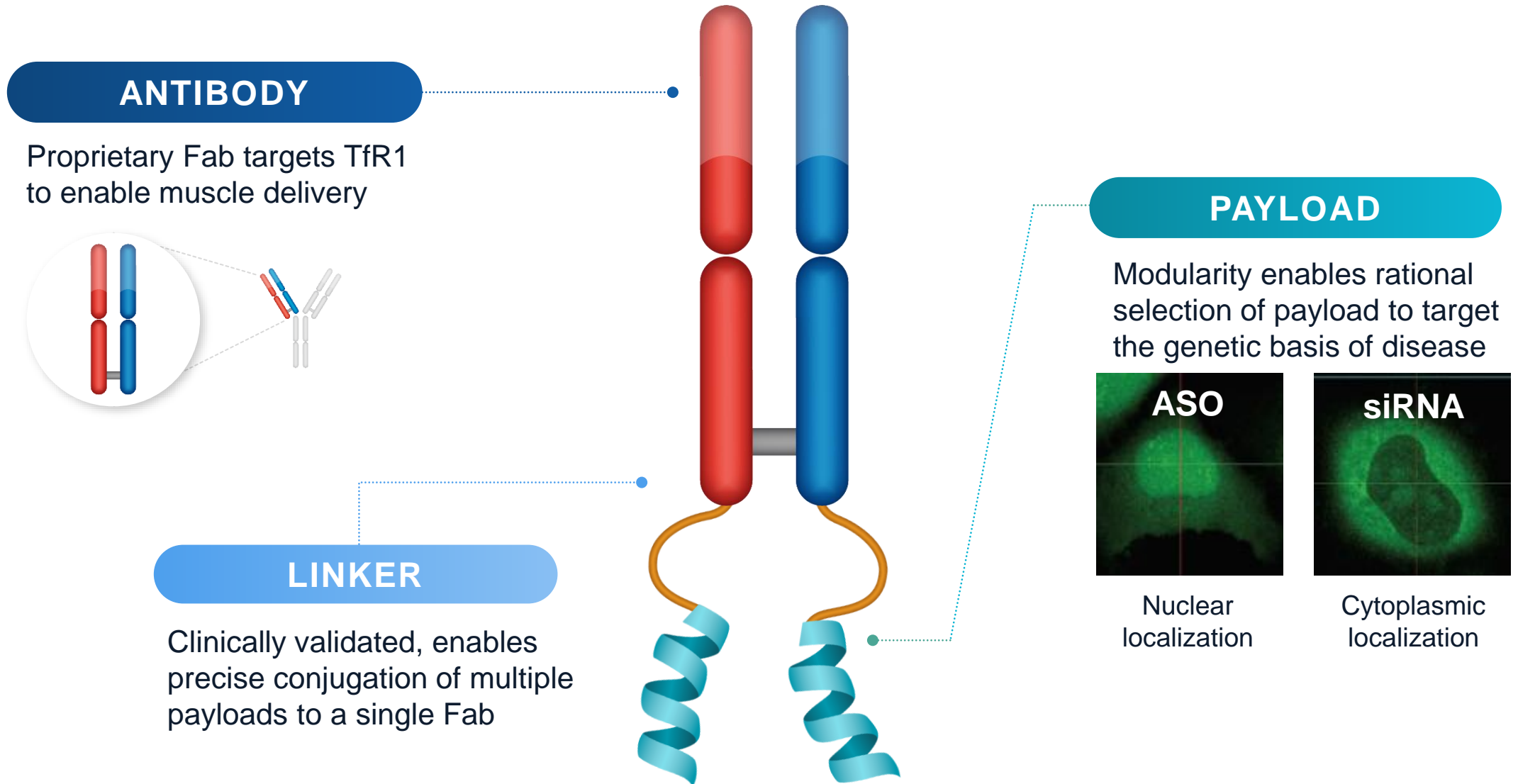
FORCE™ platform enables targeted delivery to muscle and CNS; broader pipeline includes FSHD and Pompe



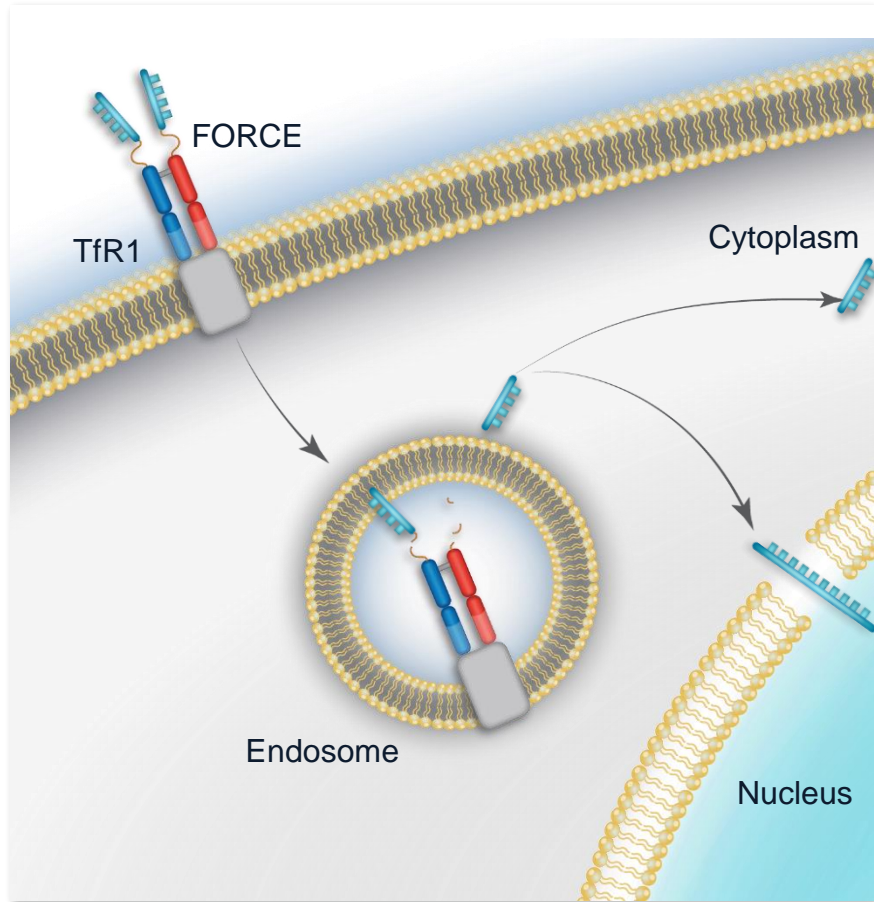
STRONG FINANCIAL POSITION

Cash position of ~ \$642 million (as of 12/31/24)* with expected runway into H2 2026; all assets fully owned

Dyne FORCE™ Platform: Modern Oligo Therapeutics for Muscle Diseases



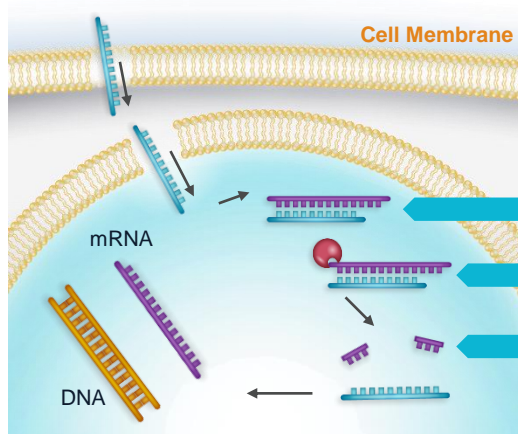
FORCE Platform Harnesses Cell Biology to Modify Disease



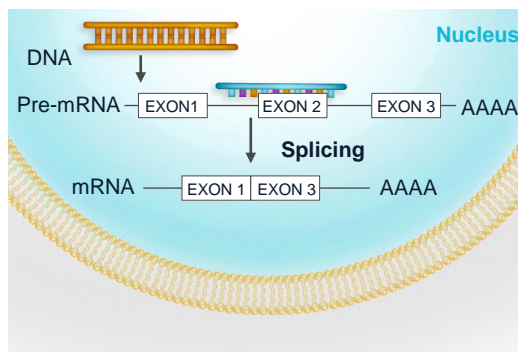
- Harnesses natural mechanism of TfR1 receptor-mediated delivery to transport therapeutics across the cell membrane
- Achieves endosomal escape without any membrane-destabilizing agents
- Distinctive pharmacokinetic profile creates opportunity for durable target engagement and wide therapeutic index

Rationally Select Payload to Target Genetic Basis of Disease

ASO acts in the nucleus and cytoplasm

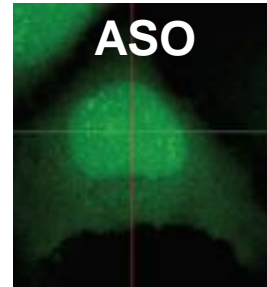


Splice-modulating ASO



Single-Stranded Antisense

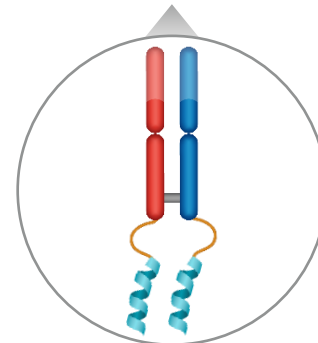
Subcellular distribution of ASO and siRNA



Nuclear localization

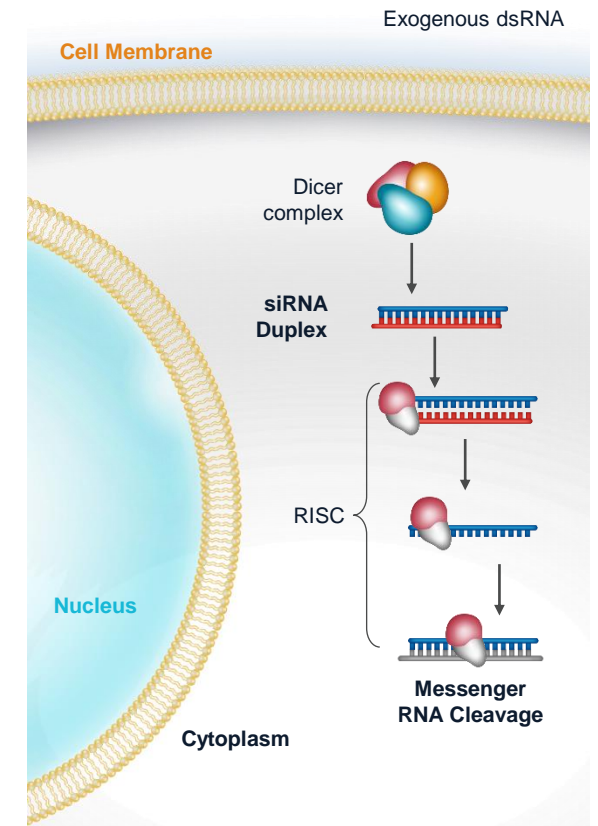


Cytoplasmic localization



FORCE delivers **ASO** payload for nuclear targets, **siRNA** payload for cytoplasmic targets

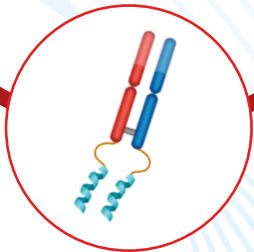
siRNA acts in the cytoplasm



Double-Stranded Antisense (siRNA)

FORCE Platform Designed to Deliver Significant Advantages

**Stop or Reverse
Disease
Progression**



✓ **Targeted Muscle Delivery**
Leverages TfR1 expression
on skeletal, cardiac and smooth muscle

✓ **Redosable Administration**
Potential for individualized patient
titration and longer-term efficacy

✓ **Extended Durability**
Potential for prolonged disease-modifying
effects, enabling less frequent dosing

✓ **Targets Genetic Basis of Disease**
Rationally select payloads
to match target biology

✓ **Enhanced Tolerability**
Targeted delivery limits systemic
drug exposure

✓ **Reduced Development and
Manufacturing Costs**
A single Fab and linker
utilized across all programs

Robust Portfolio Focused on Neuromuscular Diseases with Opportunities to Expand by Leveraging FORCE Delivery

DISEASE	TARGET	DISCOVERY	PRECLINICAL	PHASE 1/2	ESTIMATED PATIENTS
Myotonic Dystrophy Type 1 (DM1)	DMPK	DYNE-101			US: >40,000 Europe: >74,000
Duchenne Muscular Dystrophy (DMD)	Exon 51	DYNE-251			US: ~12,000-15,000 Europe: ~25,000
	Exon 53				
	Exon 45				
	Exon 44				
	Other Exons				
Facioscapulohumeral Muscular Dystrophy (FSHD)	DUX4	DYNE-302			US: ~16,000-38,000 Europe: ~35,000
Pompe disease	GAA	DYNE-401			US: ~3,800 Europe: ~7,000

Pipeline expansion opportunities in CNS, rare skeletal, cardiac and metabolic

Developing Transformative Therapies for People Living with DM1



Overview

- Mutation in the *DMPK* gene
- Onset at any point, depending on DM1 phenotype
- Life expectancy of 45 - 60 years



Clinical Presentation

- Myotonia
- Muscle weakness
- Cardiac arrhythmia
- Pulmonary abnormalities
- CNS manifestations



Population

- >40,000 (US)
- >74,000 (Europe)



**NO
approved
therapies**

OUR APPROACH

Disease-Modifying Nuclear *DMPK* Knockdown

Targeting toxic gain of function *DMPK* RNA to potentially **stop or reverse** disease progression

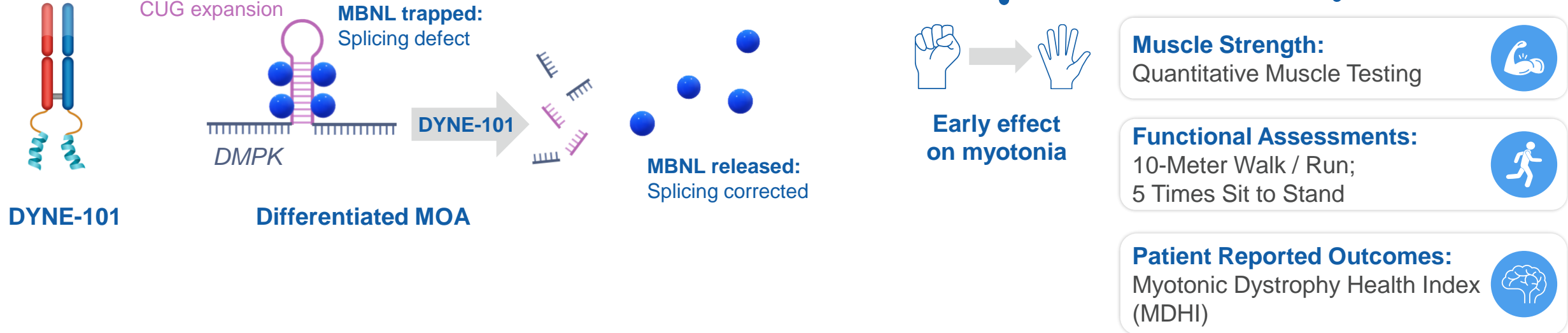
DYNE-101 Addressing the Central Pathobiology of DM1 to Enable Broad Functional Improvement¹

Robust and widespread delivery

DMPK degradation in the nucleus

MBNL release and splicing correction

Correction of myotonia and broad functional improvement



DYNE-101

Differentiated MOA

DM1 is a Heterogeneous Disease with Widespread Muscle and CNS Manifestations

CNS¹⁻⁴

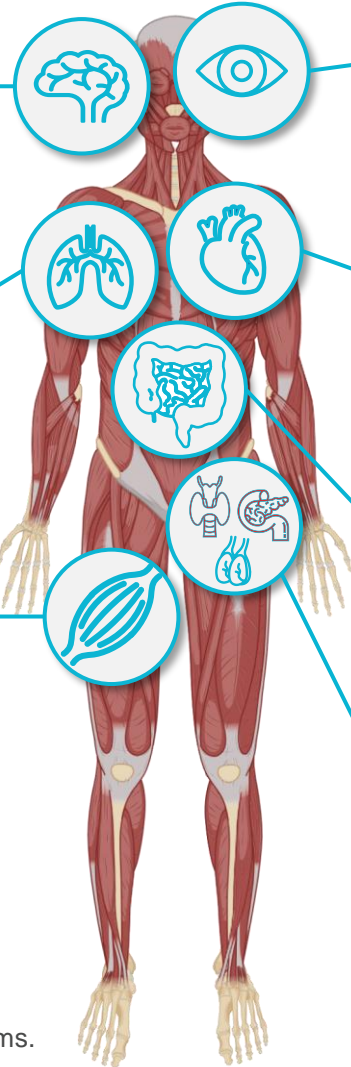
- Fatigue
- Excessive daytime sleepiness
- Difficulty concentrating
- Behavioral/personality changes

Skeletal muscle (respiratory)¹⁻⁴

- Restrictive ventilatory pattern
- Shortness of breath

Skeletal muscle¹⁻⁴

- Muscle weakness
- Myotonia
- Balance issues
- Muscle pain
- Atrophy



Ocular¹⁻⁴

- Cataracts
- Ptosis

Cardiac¹⁻⁴

- Conduction disturbances
- Arrhythmia
- Cardiomyopathy
- Sudden death

Smooth muscle¹⁻⁴

- Dysphagia
- Constipation
- Heartburn
- Regurgitation


Endocrine¹⁻⁴

- Thyroid disorders
- Diabetes
- Male hypogonadism
- Vitamin D deficiency

Slide does not represent an exhaustive list of symptoms.

Multiple Ascending Dose (MAD) Portion of ACHIEVE is Complete



Population	Primary Endpoints	Additional Endpoints	Stages of ACHIEVE
<ul style="list-style-type: none">• Adult patients living with DM1• Ages 18 to 49 years	<ul style="list-style-type: none">• Safety and tolerability	<ul style="list-style-type: none">• Pharmacokinetics• Change from baseline of:<ul style="list-style-type: none">– Splicing– <i>DMPK</i> RNA expression– Multiple assessments of muscle strength and function– Patient-reported outcomes, including DM1-ACTIV^c and MDHI	<ul style="list-style-type: none">✓ Multiple Ascending Dose (MAD): 24 weeks• Open-Label Extension (OLE): 24 weeks• Long-Term Extension (LTE): 96 weeks <p style="text-align: center;"></p> <p style="text-align: center;">Registrational Expansion Cohort</p>

ACHIEVE Baseline Participant Characteristics: By Treatment

Mean (SD)	Placebo (N=14)	1.8 mg/kg Q4W (N=6)	3.4 mg/kg Q4W (N=6)	5.4 mg/kg Q8W (N=6)	6.8 mg/kg Q8W (N=6)
Age (years)	32.6 (9.6)	37.0 (10.5)	31.2 (4.4)	40.2 (6.5)	37.2 (9.7)
BMI (kg/m ²)	24.4 (4.7)	21.6 (5.8)	21.1 (1.8)	21.4 (2.5)	23.4 (5.6)
CASI-22	0.68 (0.20)	0.64 (0.25)	0.75 (0.12)	0.82 (0.16)	0.74 (0.25)
CTG Repeats	597 (246)	303 (163)	652 (258)	482 (236)	542 (191)
vHOT (sec) (middle finger)	7.5 (3.0)	11.3 (4.4)	6.6 (3.9)	11.9 (5.7)	7.8 (3.8)
QMT Total (% predicted)	51.5 (14.3)	48.1 (10.6)	42.0 (12.6)	46.6 (17.7)	51.3 (10.4)
10MWR (sec)	3.34 (0.48)	3.39 (0.55)	3.48 (0.67)	5.1 (2.40)	3.94 (1.56)
5 Times Sit to Stand (sec)	9.24 (2.03)	9.47 (2.04)	8.75 (1.88)	12.78 (6.79)	9.98 (3.33)
DM1-ACTIV ^c Total	47 (NA ^a)	46 (4.59)	38 (4.65)	44 (6.99)	43.4 (NA ^a)
MDHI Total	18.7 (13.8)	23.5 (23.2)	30.2 (23.2)	14.8 (7.4)	26.5 (13.7)

^a SDs for DM1-ACTIV^c are not reported to maintain blinding.

DYNE-101 Addresses Central Pathobiology: Differentiated Pharmacology with Potential to Lead to Broad Functional Benefit

Delivery and exposure

DMPK knockdown

Splicing correction

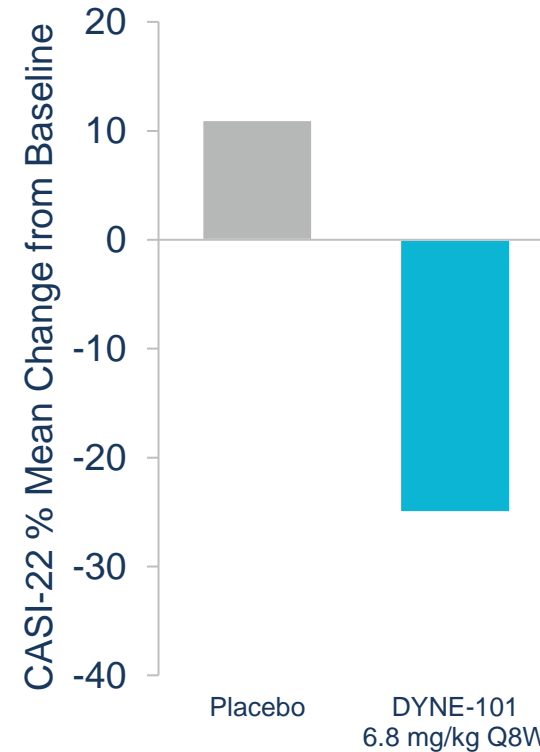
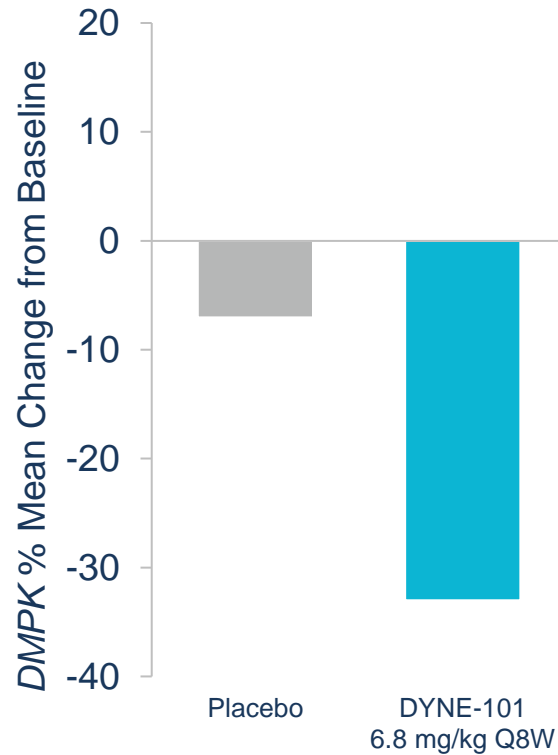
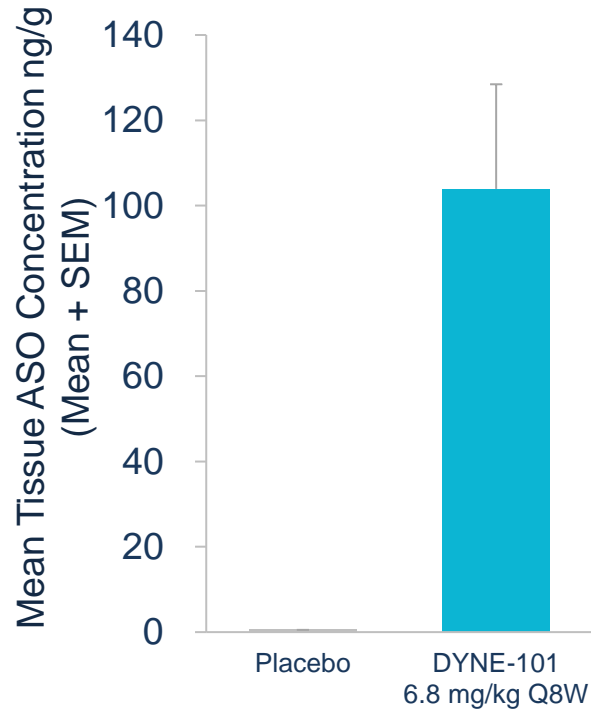
Broad functional benefit

Muscle delivery at 3 mo

Target engagement at 3 mo

Biomarker response at 3 mo

Benefit at 6 mo



DYNE-101: Favorable Safety Profile with No Serious Related TEAEs

Summary of Treatment Emergent Adverse Events (TEAEs)¹

TEAE Category	Participants with ≥1 TEAE – n (%)					
	1.8 mg/kg Q4W+Rec. N=16	3.4 mg/kg Q4W+Rec. N=16	3.4 mg/kg Q8W N=8	5.4 mg/kg Q8W N=8	6.8 mg/kg Q8W N=8	Overall (N=56)
Any TEAE	16 (100%)	16 (100%)	8 (100%)	8 (100%)	8 (100%)	56 (100%)
Any related TEAE	9 (56%)	9 (56%)	2 (25%)	3 (38%)	6 (75%)	29 (52%)
Any serious TEAE	4 (25%)	0	1 (13%)	0	0	5 (9%)
Any serious related TEAE	0	0	0	0	0	0
Any TEAE leading to withdrawal from study	0	0	0	0	0	0
Any TEAE leading to death	0	0	0	0	0	0

Most TEAEs Were Mild or Moderate in Intensity¹

- 6 serious TEAEs unrelated to study drug
 - Atrioventricular block first degree (1)²
 - Pneumonia (2 events in same participant)
 - Pulmonary embolism (1)³
 - Hyponatremia (1)
 - Influenza (1)
- Most common TEAEs (≥20% participant incidence)⁴
 - Nasopharyngitis (38%)
 - Procedural pain (30%)
 - Influenza (27%)
 - Infusion-related reaction (25%)
 - Diarrhea; headache (each 21%)

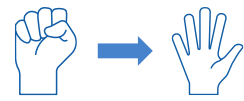
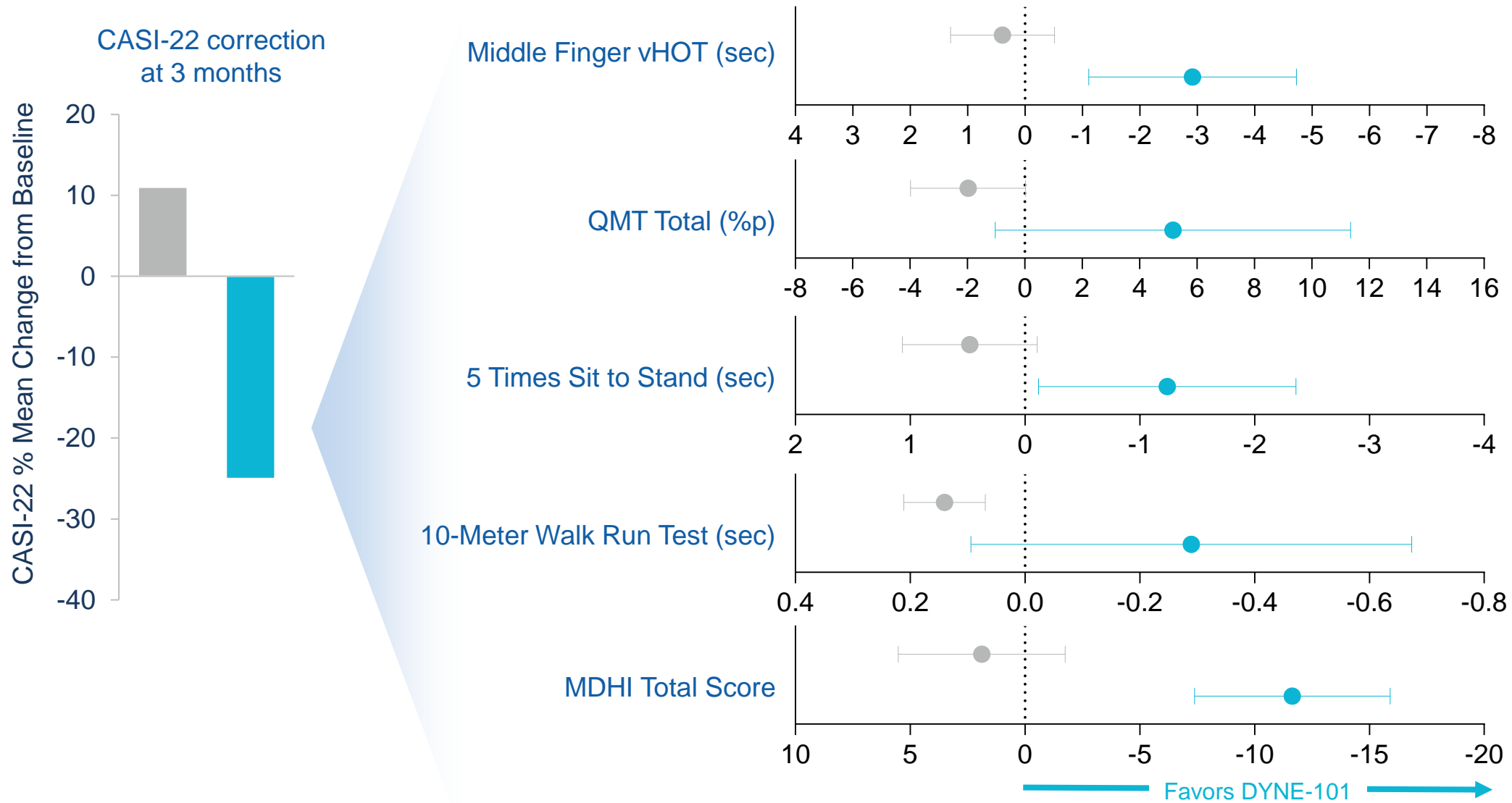
Additional Safety Data

- Liver enzyme elevations have been observed in a minority of participants
 - No impact on liver function (bilirubin or coagulation)
 - Interpretation is complicated by underlying disease and elevated baseline values up to ~2.5x greater than the upper limit of normal
- No participants have demonstrated persistent related anemia or thrombocytopenia

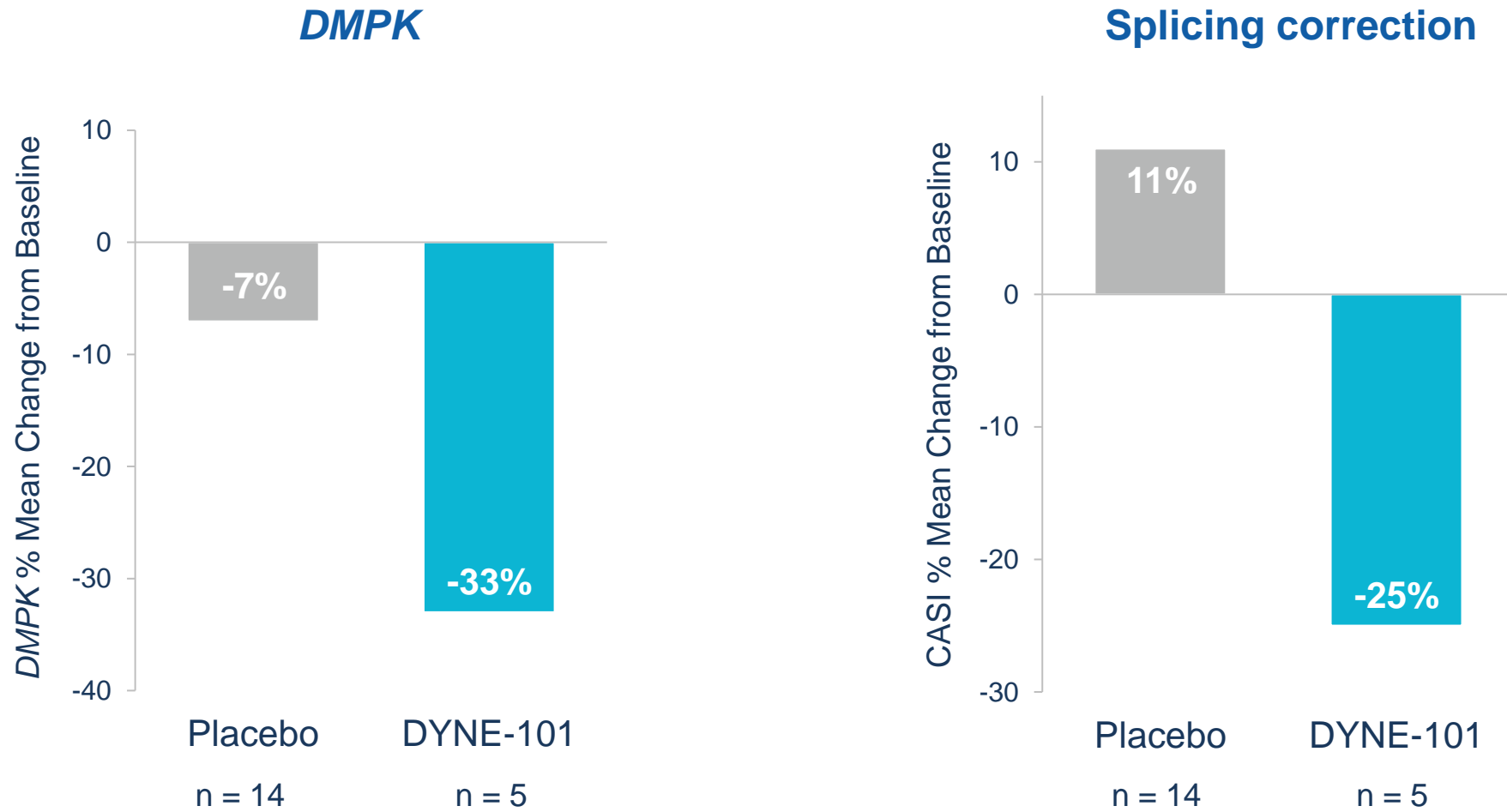
~855 Doses Administered to Date Representing Over 72 Patient-Years of Follow-Up¹

1. Data as of December 6, 2024; 2. Transient worsening of atrioventricular (AV) block in a participant with ongoing medical history of first-degree AV block; 3. Attributed to risk factors for pulmonary embolism; 4. All cohorts combined; preferred terms are reported.

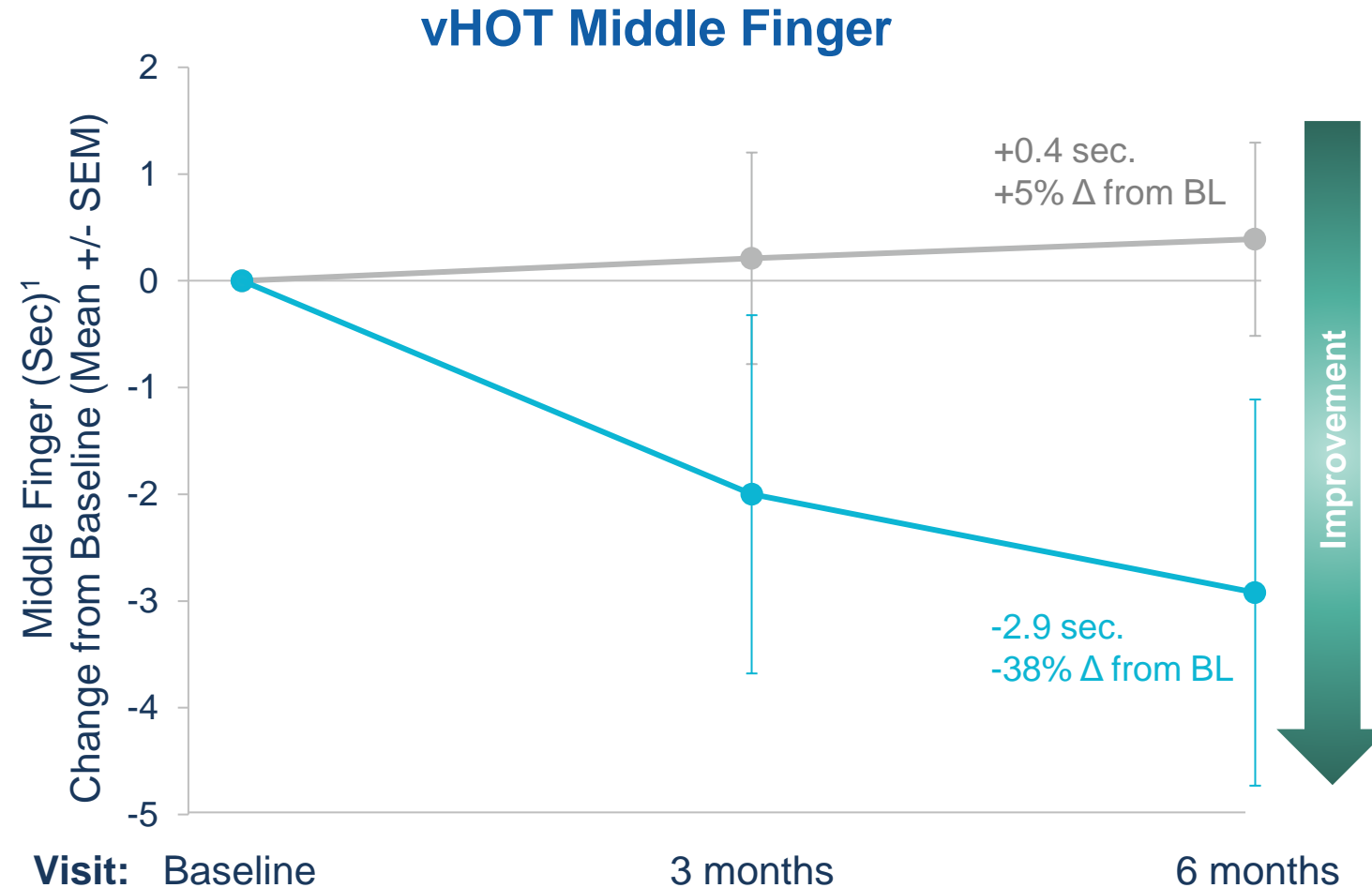
Broad Improvement Demonstrated at 6 Months with Planned Registrational Dose of 6.8 mg/kg Q8W



DYNE-101 at 6.8 mg/kg Q8W Improved Foundational Pathobiology of DM1 at 3 Months



Early and Robust Improvement in Functional Myotonia

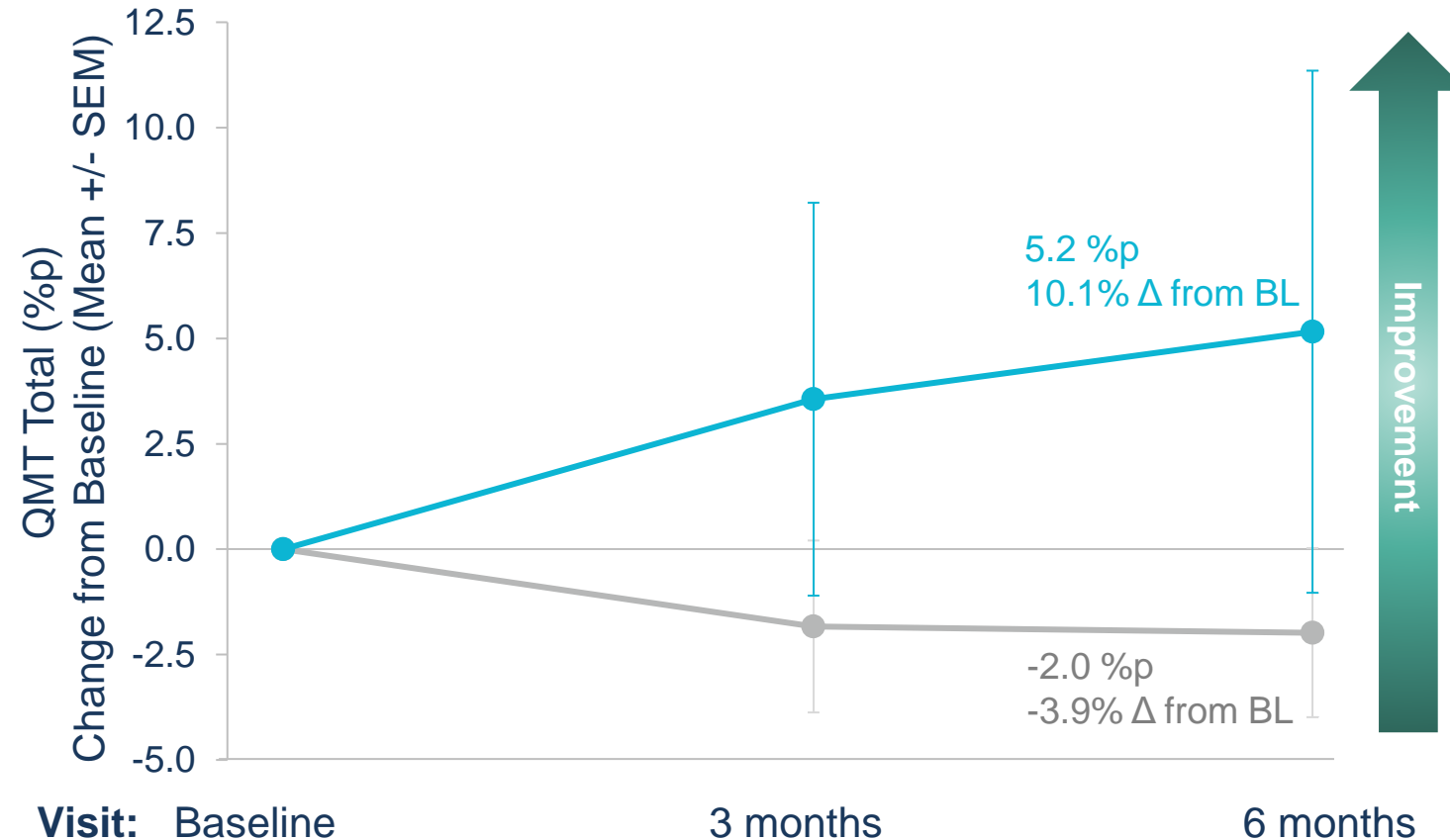


Cohort: ● Placebo (N = 14) ● DYNE-101 6.8 mg/kg Q8W (N = 6)

Baseline (sec), mean (SEM): 7.5 (0.8) 7.8 (1.5)

Improved Muscle Strength at 6 Months

Quantitative Muscle Testing (QMT) Total Score

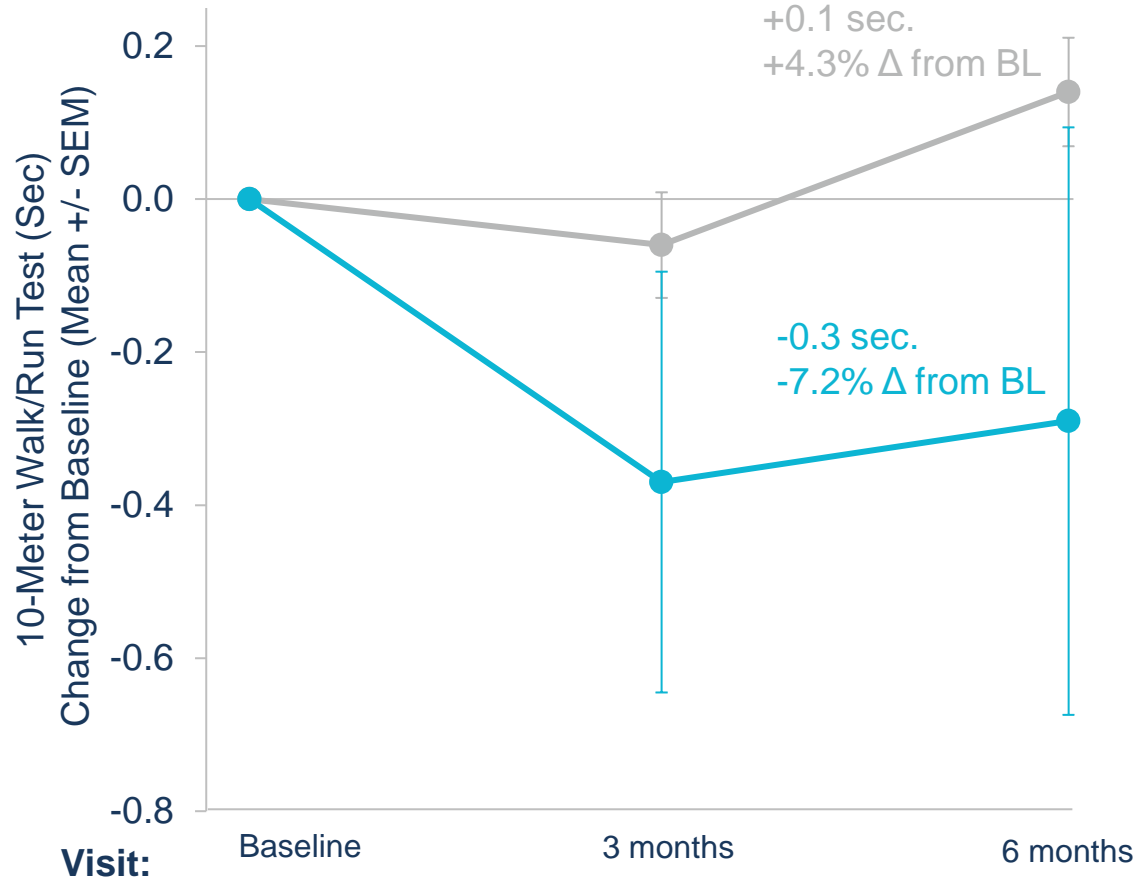


Cohort: ● Placebo (N = 14) ● DYNE-101 6.8 mg/kg Q8W (N = 6)

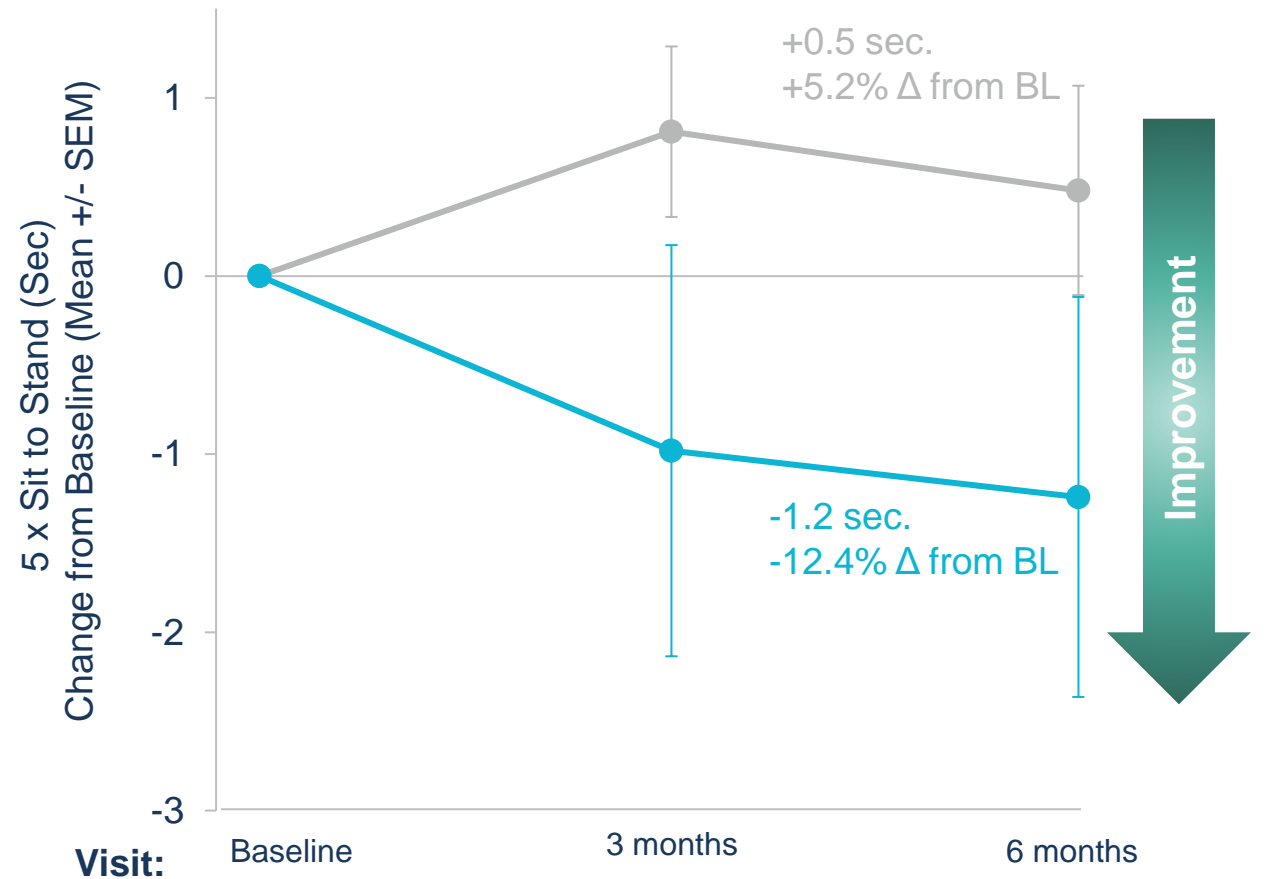
Baseline, mean (SEM): 51.5 (3.8) 51.3 (4.2)

Early and Robust Benefit Across Multiple Timed Function Tests

10-Meter Walk/Run Test



5 Times Sit to Stand



Cohort: ● Placebo (N = 14) ● DYNE-101 6.8 mg/kg Q8W (N = 6)

Cohort: ● Placebo (N = 14) ● DYNE-101 6.8 mg/kg Q8W (N = 6)

Baseline (sec),
mean (SEM): **3.3 (0.1)**

3.9 (0.6)

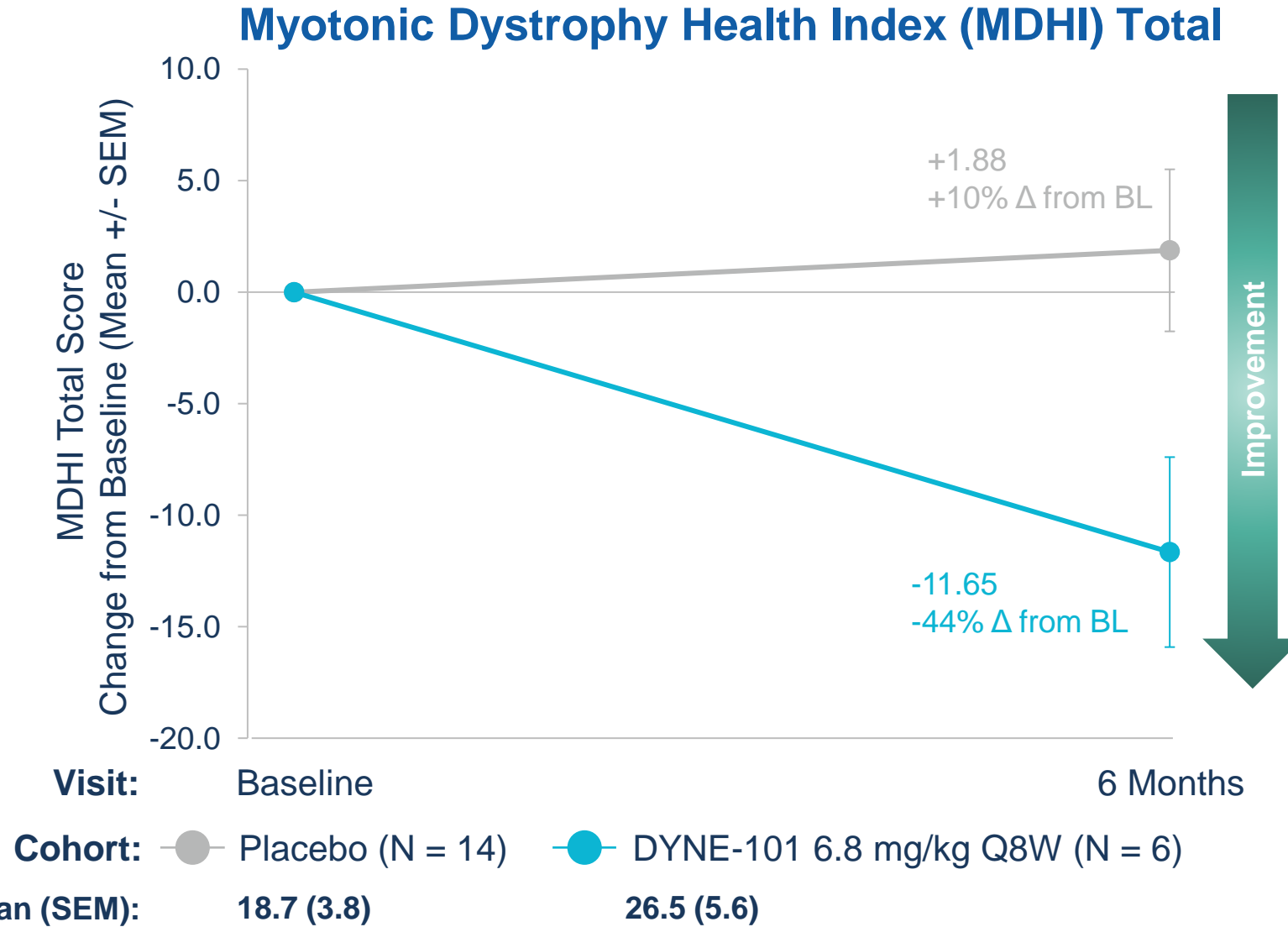
Baseline (sec),
mean (SEM): **9.2 (0.5)**

10.0 (1.4)

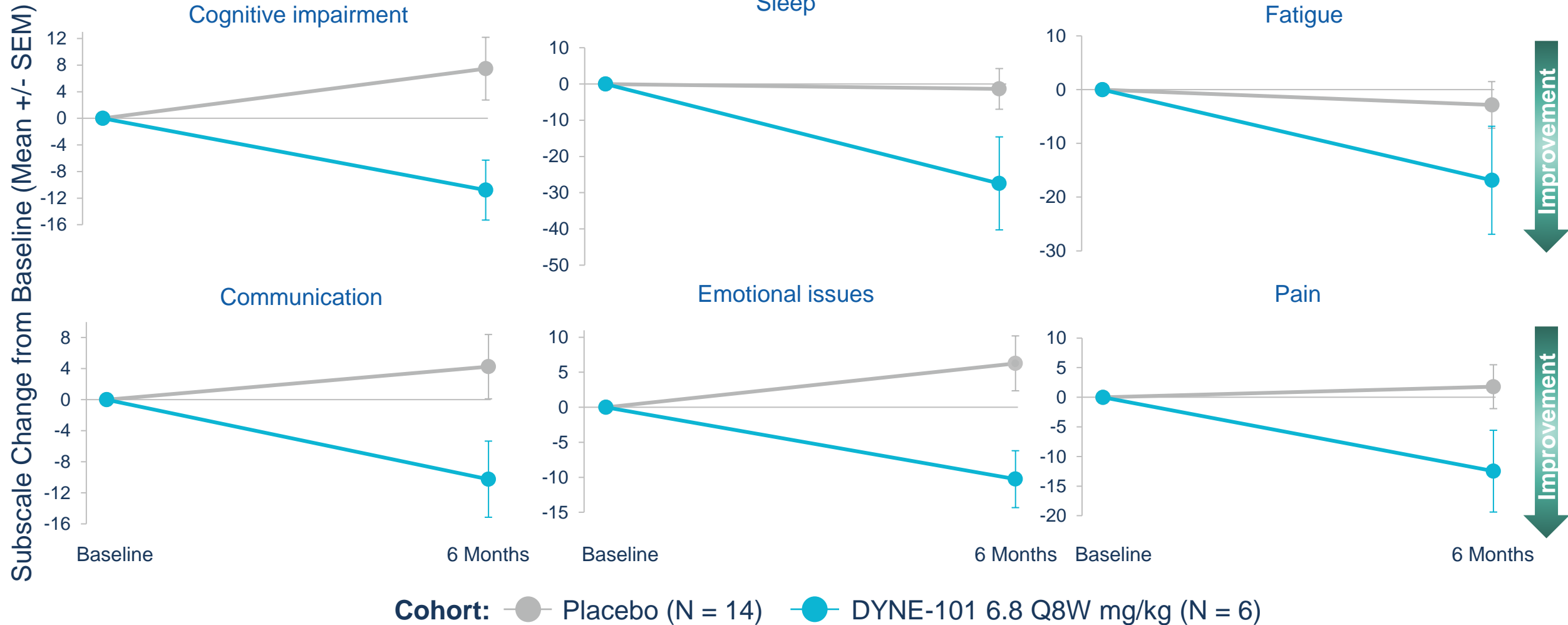


Notes: BL = baseline; 3 months = 85 days; 6 months = 169 days.

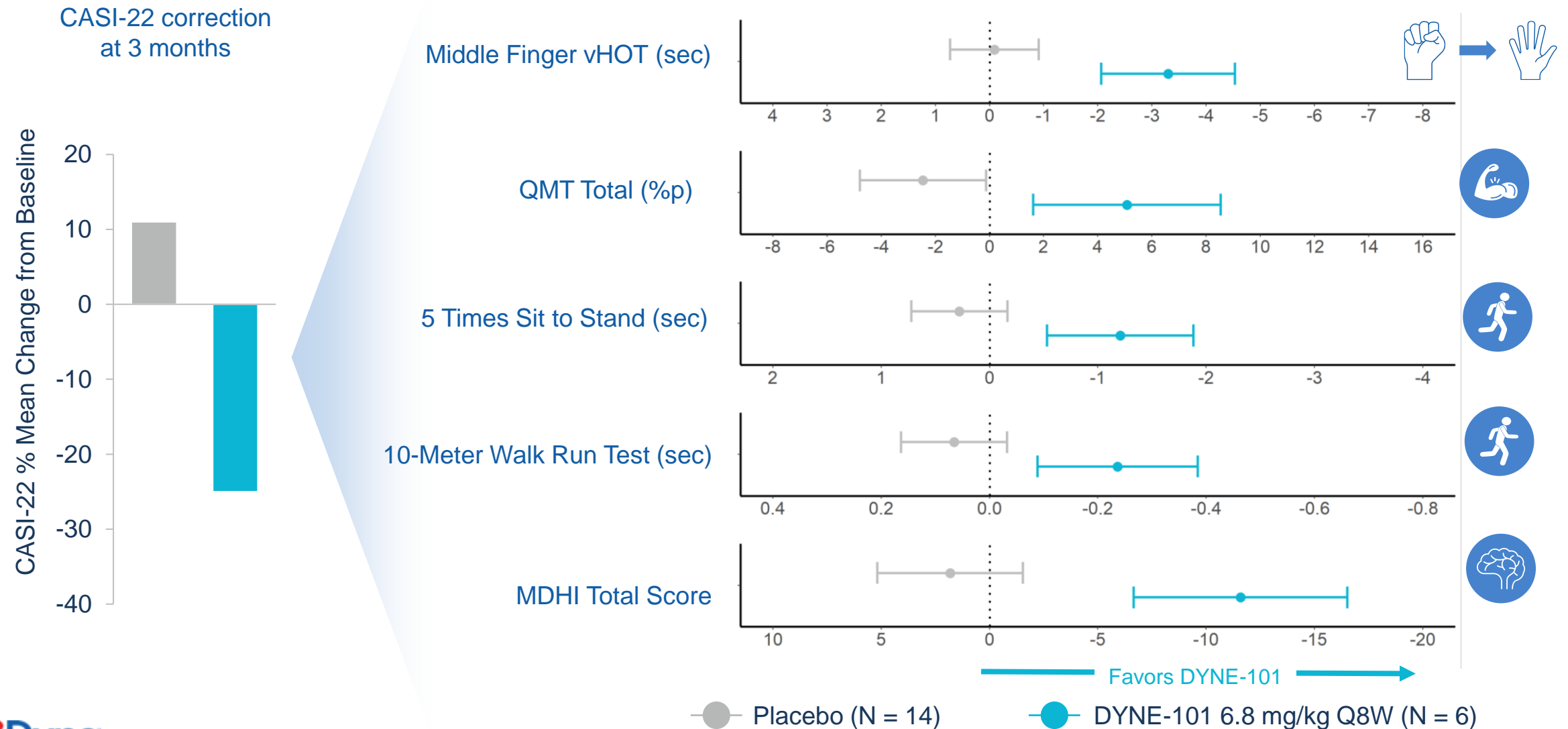
Improvement in MDHI Total Indicates Encouraging Patient Reported Outcome Trends



CNS-related MDHI Subscales Show Improvement at Registrational DYNE-101 Dose



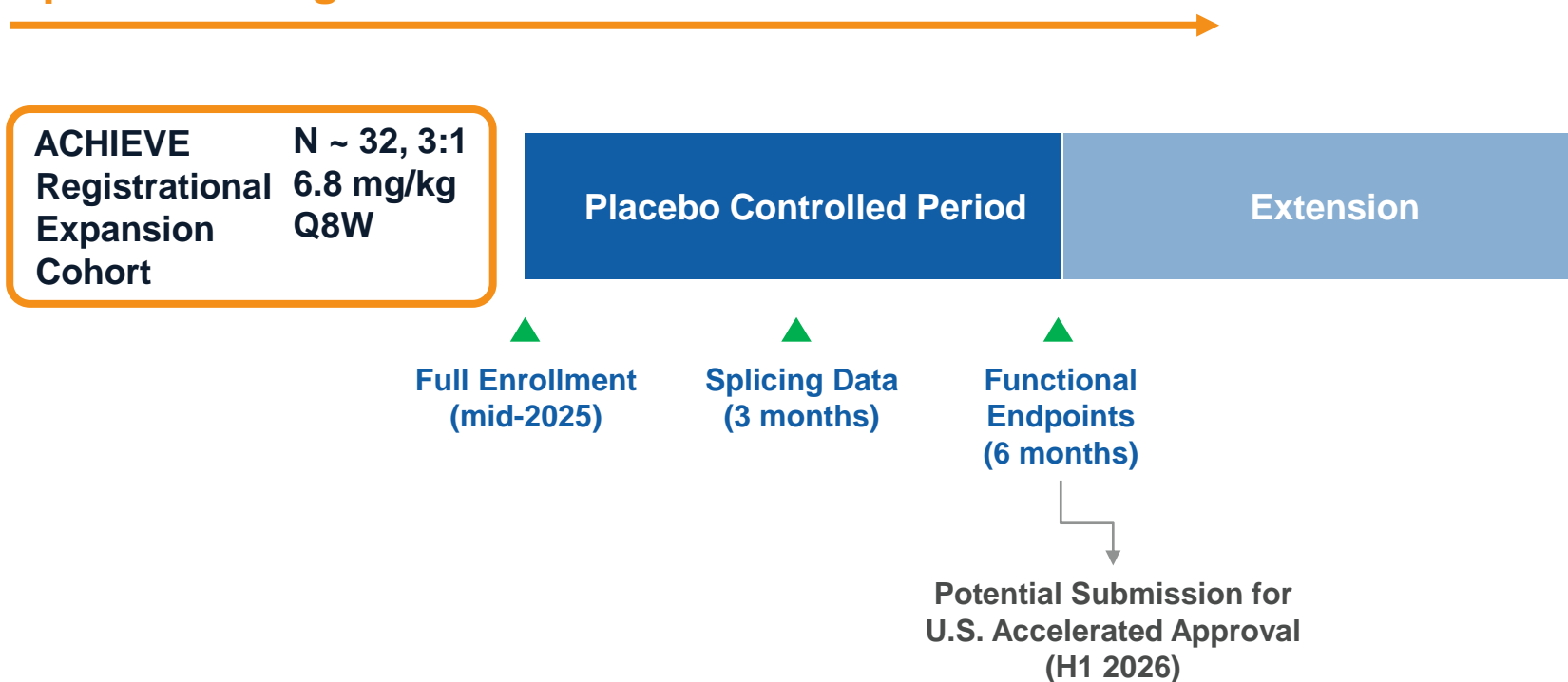
Benefit at 6 Months Strengthened when Adjusting for Baseline Imbalances



Mixed model for repeated measures (MMRM): fixed effects: dose, visit, baseline, dose by visit interaction, baseline by visit interaction. Data: all dose groups except recovery group; excluding placebo data after 6 months; Data presented are least squares (LS) mean change from baseline ± SE; 3 months = 85 days; 6 months = 169 days.

Registrational Expansion Cohort Timeline Enables Potential Submission for U.S. Accelerated Approval in H1 2026

Accelerated Approval Path Enables Speed to Filing with Functional Benefit



Potential Profile

Planned Primary Endpoint (3 months)

- Change from baseline in CASI

Planned Secondary Endpoints (6 months)

- Change from baseline in
 - vHOT (middle finger)
 - 10MWR
 - QMT
 - 5xSTS
 - MDHI Total Score

Myotonic Dystrophy Type 1 (DM1) Clinical Data Show Broad Functional Impact and Support Potential for Accelerated Approval



Initiating Registrational Expansion Cohort: primary endpoint of splicing correction at 3 months, supported by functional endpoints and PROs; full enrollment expected mid-2025



6.8 mg/kg Q8W dose showed robust splicing correction at 3 months and broad functional improvement, starting at 3 months and continuing at 6 months



Continued favorable safety profile¹; no serious related TEAEs

Building a Global DMD Franchise of Transformative Therapies



Overview

- Mutation in the *DMD* gene that encodes for dystrophin
- Onset in first few years of life
- Life expectancy ~30 years



Clinical Presentation

- Muscle weakness
- Progressive loss of function
- Loss of ambulation
- Respiratory/cardiac failure



Population

- ~12,000 - 15,000 (US)
- ~ 25,000 (Europe)



OUR APPROACH

Potential Best-in-class Targeted Exon Skipping

Increase dystrophin expression and enable less frequent dosing to potentially **stop or reverse disease progression**

Current Approved Exon 51 Therapies Only Increased Dystrophin Production

<1%

Registrational Expansion Cohort of DELIVER Rapidly Enrolling



Population

- Male patients with DMD with mutations amenable to exon 51 skipping therapy
- Ages 4 to 16 years
- Ambulant and non-ambulant

Primary Endpoints

- Safety and tolerability
- Change from baseline in dystrophin protein levels by Western Blot

Additional Endpoints

- Pharmacokinetics
- Change from baseline of:
 - Exon 51 skipping levels
 - Muscle tissue PDPF
 - Multiple assessments of muscle function, including NSAA score, SV95C and certain timed functional tests

Stages of DELIVER

- ✓ Multiple Ascending Dose (MAD): 24 weeks
- Open-Label Extension (OLE): 24 weeks
- Long-Term Extension (LTE): 192 weeks



Registrational Expansion Cohort

DELIVER Baseline Participant Characteristics: By Cohort

mean (SD) or n(%)	0.7 mg/kg (N=6)	1.4 mg/kg (N=6)	2.8 mg/kg (N=6)	5 mg/kg (N=6)	10 mg/kg (N=8)	20 mg/kg (N=8)
Age (years)	10.8 (2.2)	8.0 (3.5)	10.7 (2.9)	8.3 (2.8)	6.6 (2.2)	8.1 (2.4)
BMI (kg/m ²)	19.5 (3.4)	18.6 (2.2)	22.6 (6.3)	20.9 (1.6)	18.3 (3.2)	18.6 (5.1)
Age of Symptom Onset (years)	3.7 (1.8)	4.5 (2.1)	2.8 (1.8)	3.7 (3.1)	2.8 (1.6)	2.9 (2.0)
Corticosteroid dosing regimen (n (%)) ¹						
Daily	4 (66.7%)	4 (66.7%)	5 (83.3%)	6 (100.0%)	8 (100.0%)	8 (100.0%)
Other	2 (33.3%)	3 (50.0%)	2 (33.3%)	0	0	2 (25.0%)
Prior DMD Therapy (n (%))						
Eteplirsen	4 (66.7%)	2 (33.3%)	5 (83.3%)	1 (16.7%)	1 (12.5%)	0
Other	2 (33.3%)	1 (16.7%)	0	0	1 (12.5%)	2 (25.0%)
NSAA Total Score	22.2 (7.2)	22.8 (10.5)	20.3 (9.0)	21.0 (7.0)	25.3 (6.4)	15.6 (5.1)
10 Meter Run/Walk (sec)	6.1 (1.5)	6.3 (5.2)	6.9 (3.6)	5.1 (1.5)	4.6 (1.9)	7.7 (3.8)
Time Rise From Floor (sec)	8.5 (4.0)	3.1 (0.3)	6.9 (4.9)	5.0 (2.6)	6.3 (5.6)	5.1 (2.3)
Stride Velocity 95 th Percentile (m/sec)	N/A	N/A	N/A	N/A	1.9 (0.5)	1.4 (0.5)

DYNE-251 Safety Profile Is Favorable

Summary of Treatment Emergent Adverse Events (TEAEs)¹

TEAE Category	Participants with ≥1 TEAE – n (%)								
	0.7mg/kg Q4W N=6	1.4 mg/kg Q4W N=6	2.8 mg/kg Q4W N=6	5 mg/kg Q4W N=6	10 mg/kg Q4W N=8	20 mg/kg Q4W N=8	40 mg/kg Q8W N=8	40 mg/kg Q4W N=6	Overall ¹ N=54
Any TEAE	6 (100%)	6 (100%)	6 (100%)	6 (100%)	7 (88%)	8 (100%)	7 (88%)	5 (83%)	51 (94%)
Any related TEAE	3 (50%)	3 (50%)	0	6 (100%)	3 (38%)	4 (50%)	2 (25%)	3 (50%)	24 (44%)
Any serious TEAE	0	0	1 (17%)	0	0	1 (13%)	2 (25%)	2 (33%)	6 (11%)
Any serious related TEAE	0	0	0	0	0	0	0	2 (33%)	2 (4%)
Any TEAE leading to withdrawal from study	0	0	0	0	0	0	0	0	0
Any TEAE leading to death	0	0	0	0	0	0	0	0	0

Most TEAEs Were Mild or Moderate in Intensity¹

- 3 serious TEAEs potentially related to study drug in two participants
 - Acute kidney injury (1); thrombocytopenia (1)²
 - Pancytopenia (1)³
- 6 serious TEAEs unrelated to study drug
 - Dehydration due to gastroenteritis (1)
 - Femoral neck fracture (1); gastric volvulus (1)⁴
 - Tibia fracture (1)
 - Febrile convulsion (1); pyrexia (1)⁵
- Most common TEAEs (≥20% participant incidence)⁶
 - Pyrexia (44%)
 - Fall; vomiting (each 33%)
 - Headache (32%)
 - Nasopharyngitis (28%)
 - Cough; infusion-related reaction⁷ (each 20%)

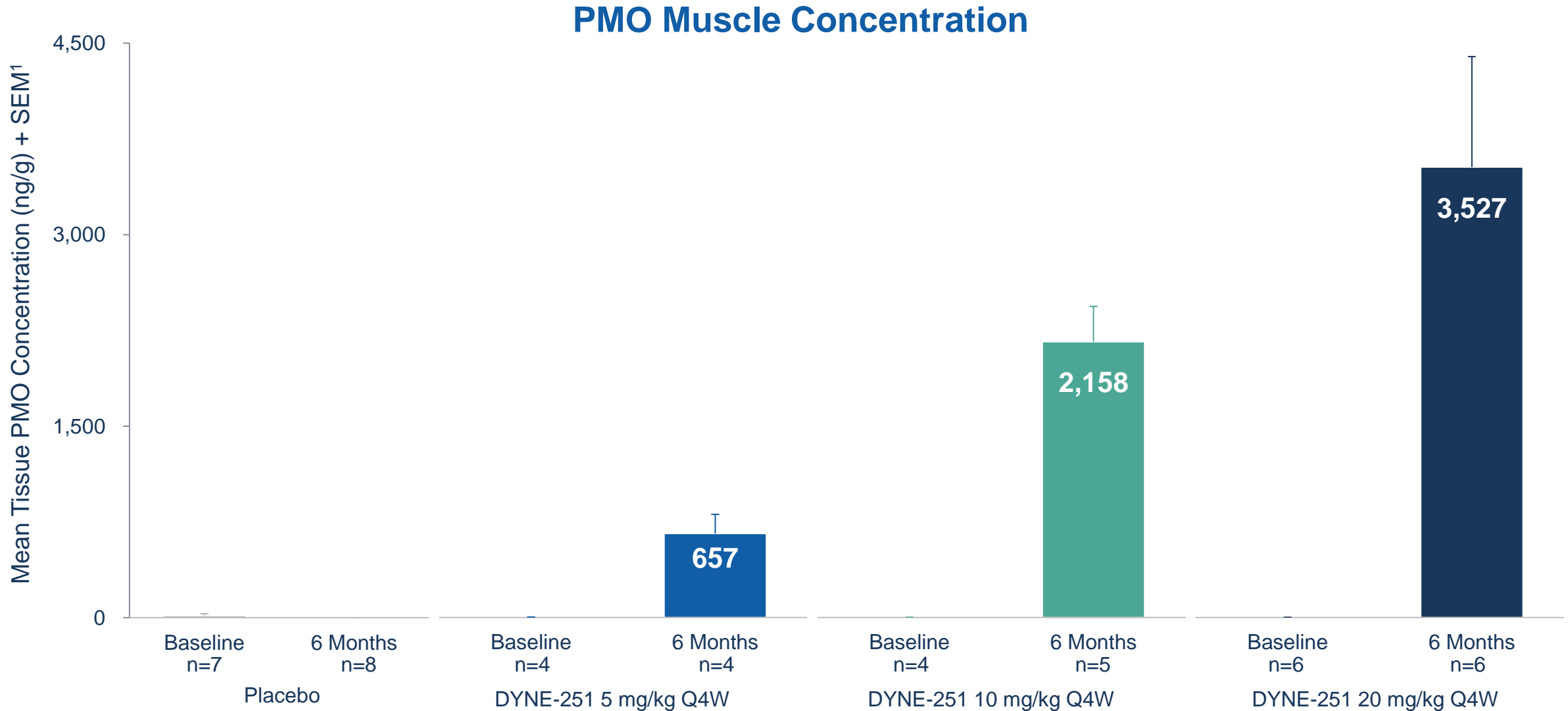
Additional Safety Data

- Other than two participants with serious TEAEs in 40 mg/kg Q4W cohort:
 - No participants have demonstrated persistent related anemia or thrombocytopenia
 - No participants have demonstrated kidney injury
- No participants have demonstrated clinically meaningful changes in electrolytes, including magnesium

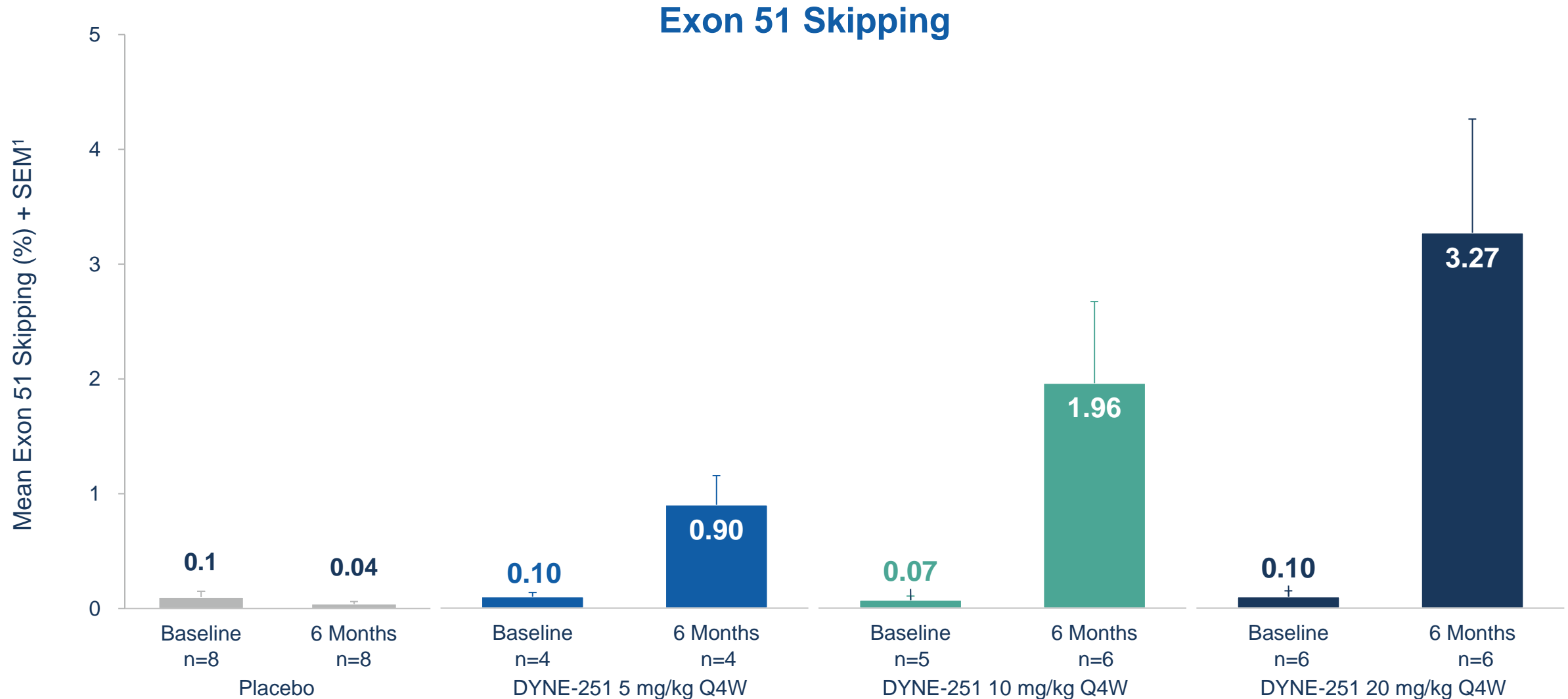
837 Doses Administered to Date Representing Over 65 Patient-Years of Follow-Up¹

1. Data as of November 21, 2024; 2. Events have same day of onset in a single participant with a nonserious related TEAE of anemia in the context of fever, hemolysis, diarrhea and positive blood in stool; together these events are consistent with hemolytic uremic syndrome (HUS) with a possible infectious etiology; 3. Participant has a history of hemolytic anemia of unidentified etiology; presented with fever and tonsillitis; symptoms resolved without therapeutic intervention; 4. Events occurred in same participant at different times; 5. Events occurred in same participant at different times; 6. All cohorts combined; preferred terms are reported; 7. All infusion-related reactions have been mild or moderate in intensity; dosing has continued in all participants who experienced infusion-related reactions.

DYNE-251 Drove Dose Dependent Delivery of PMO to Muscle

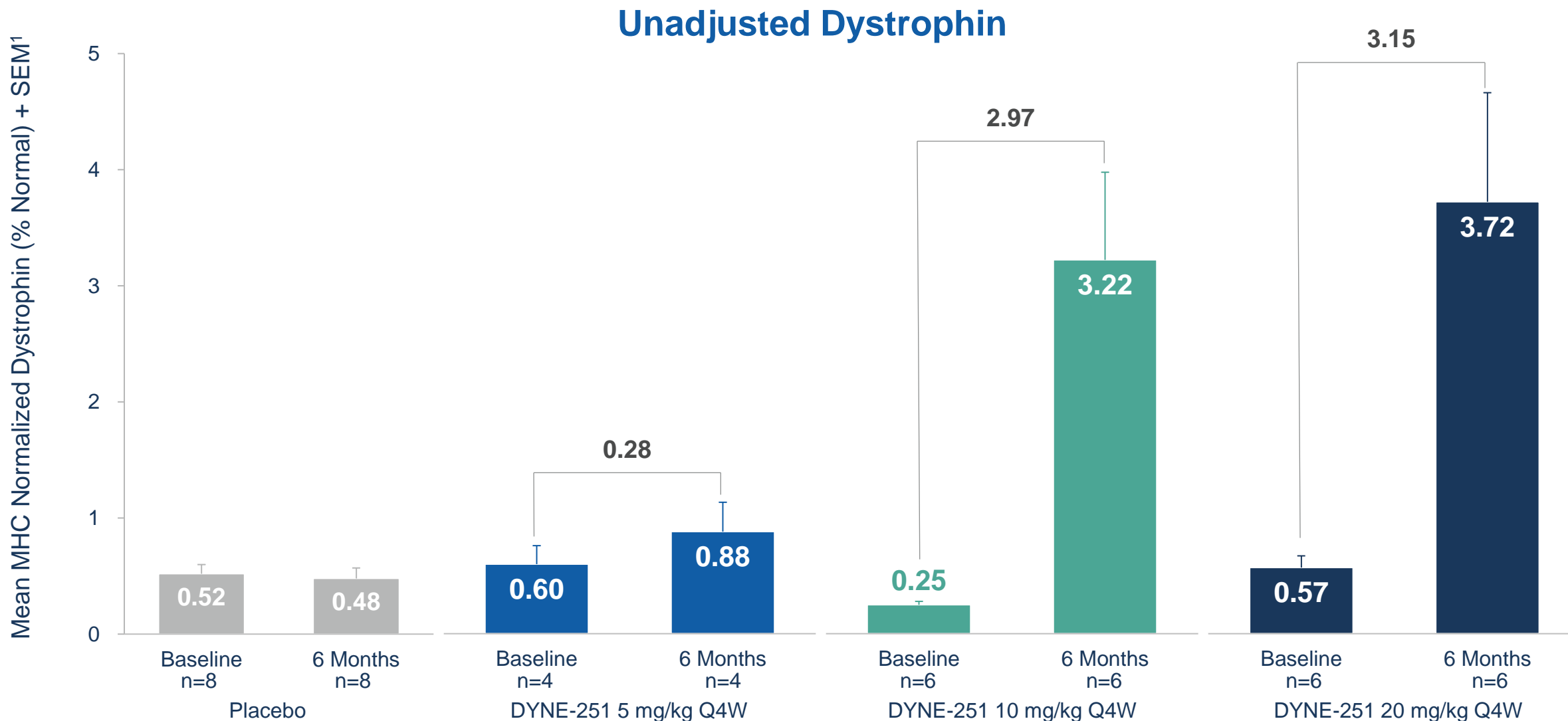


DYNE-251 Demonstrated Dose-Dependent Exon Skipping

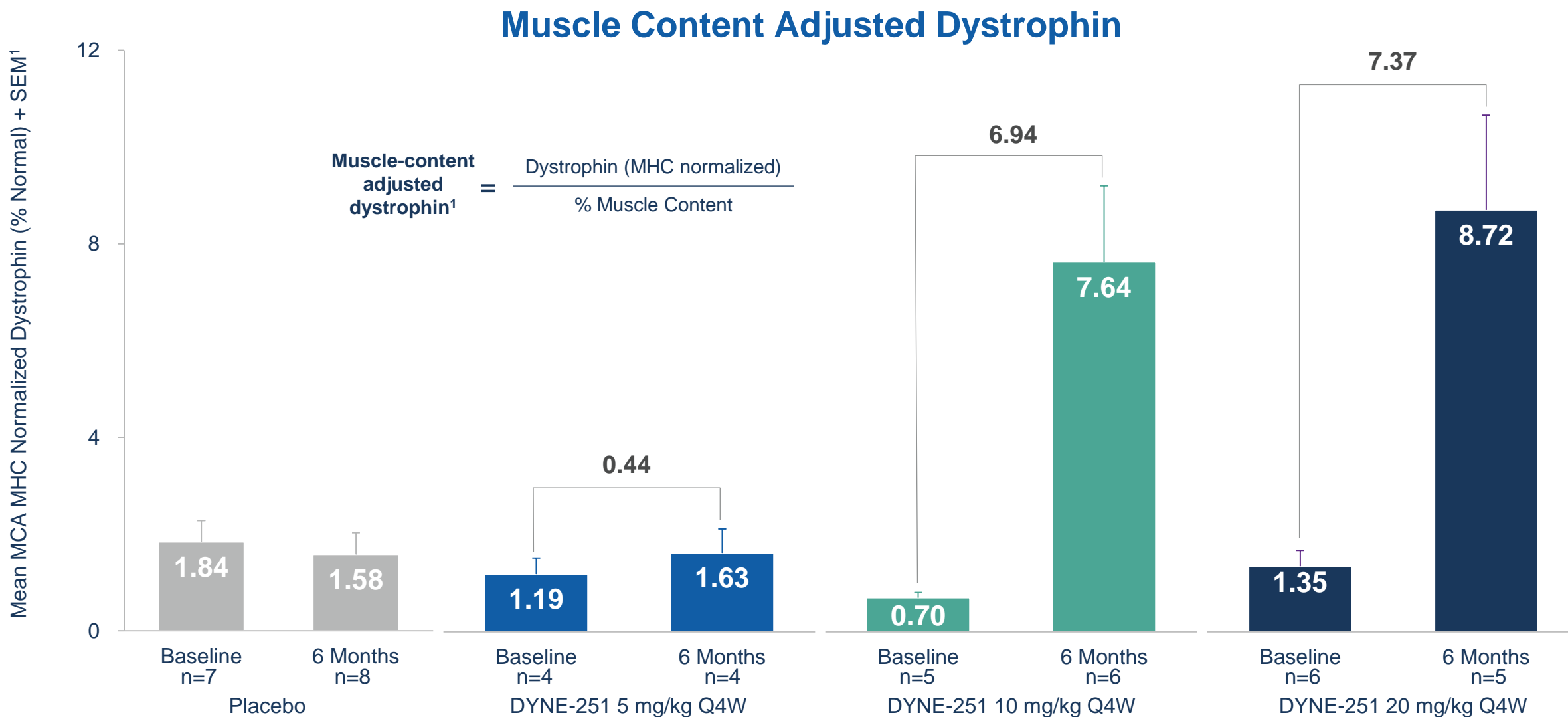


Higher Doses of DYNE-251 Continued to Drive Robust Dystrophin Expression

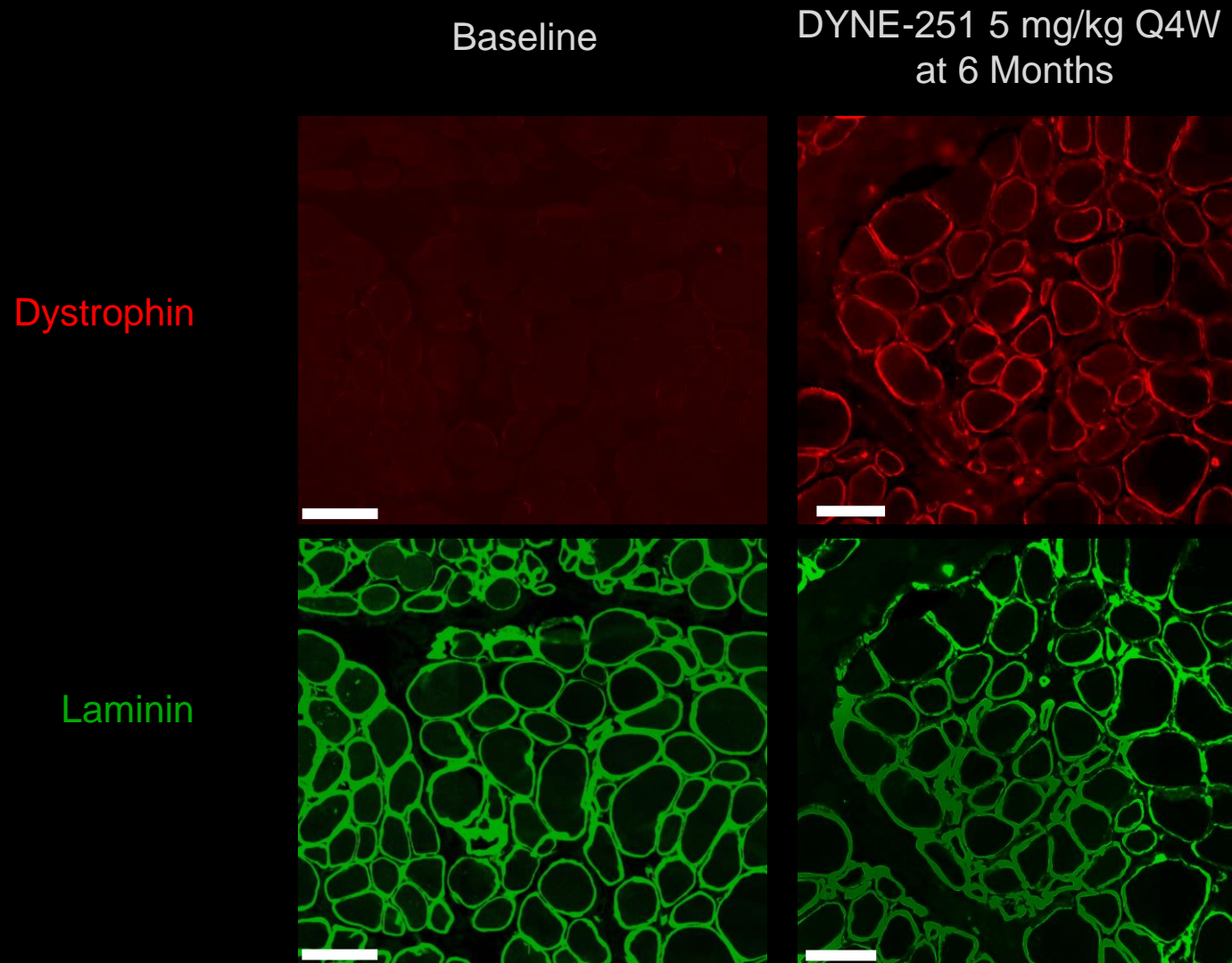
DYNE-251 Showed 3.7% Unadjusted Dystrophin at 6 Months



DYNE-251 Positioned as a Potentially Best-in-Class Next Generation Exon Skipper, Achieving 8.7% Muscle Content Adjusted Dystrophin at 6 Months

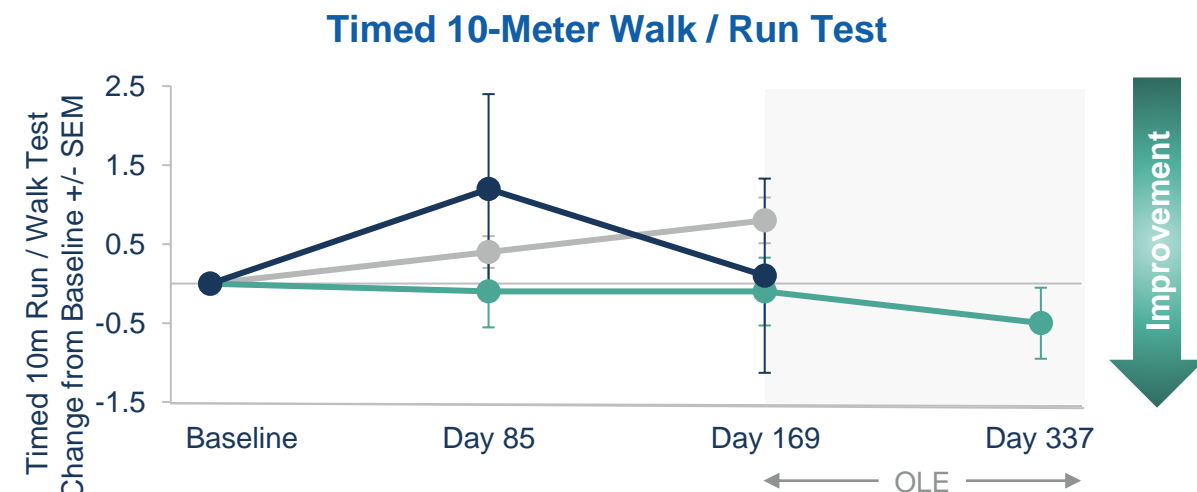
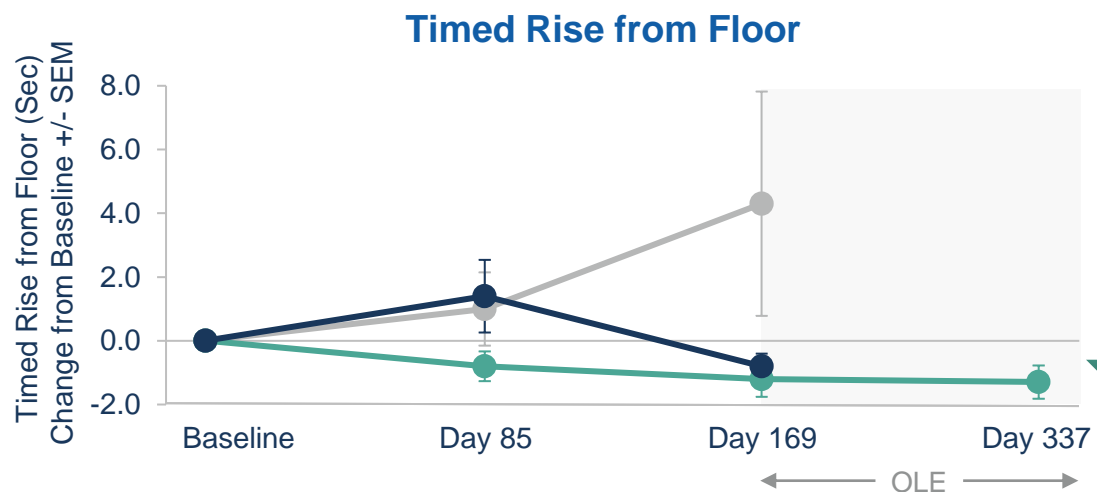
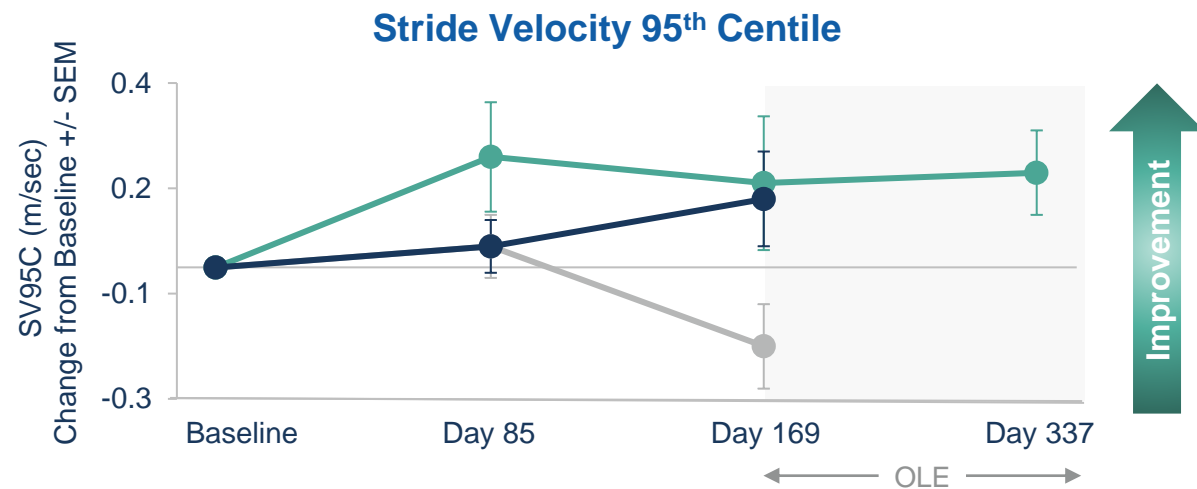
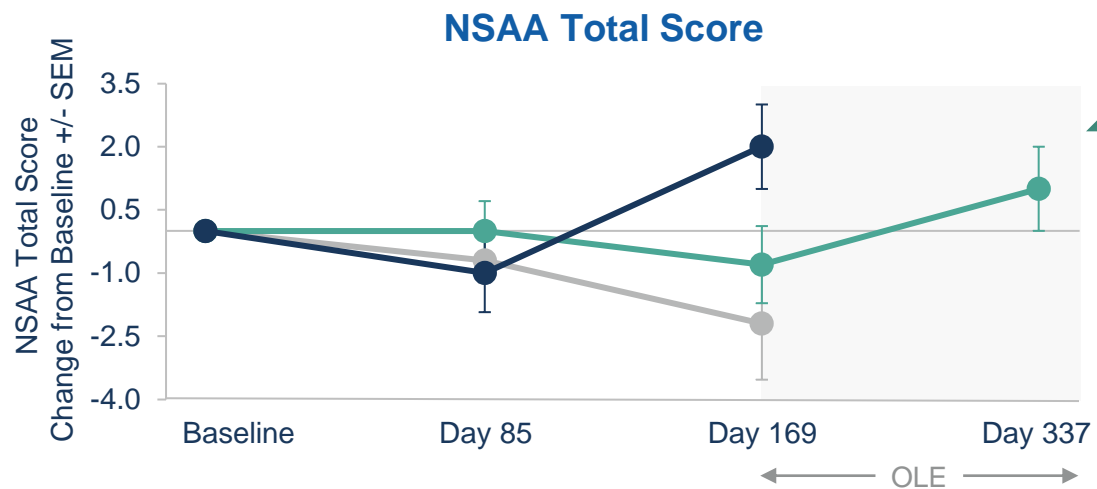


PDPF: Clear Improvement in Dystrophin Localization to Sarcolemma



Improvements Across Multiple Functional Endpoints in Multiple Cohorts

Baseline Values Inform Interpretation of Data; Ongoing Exploration of Longer Timepoints



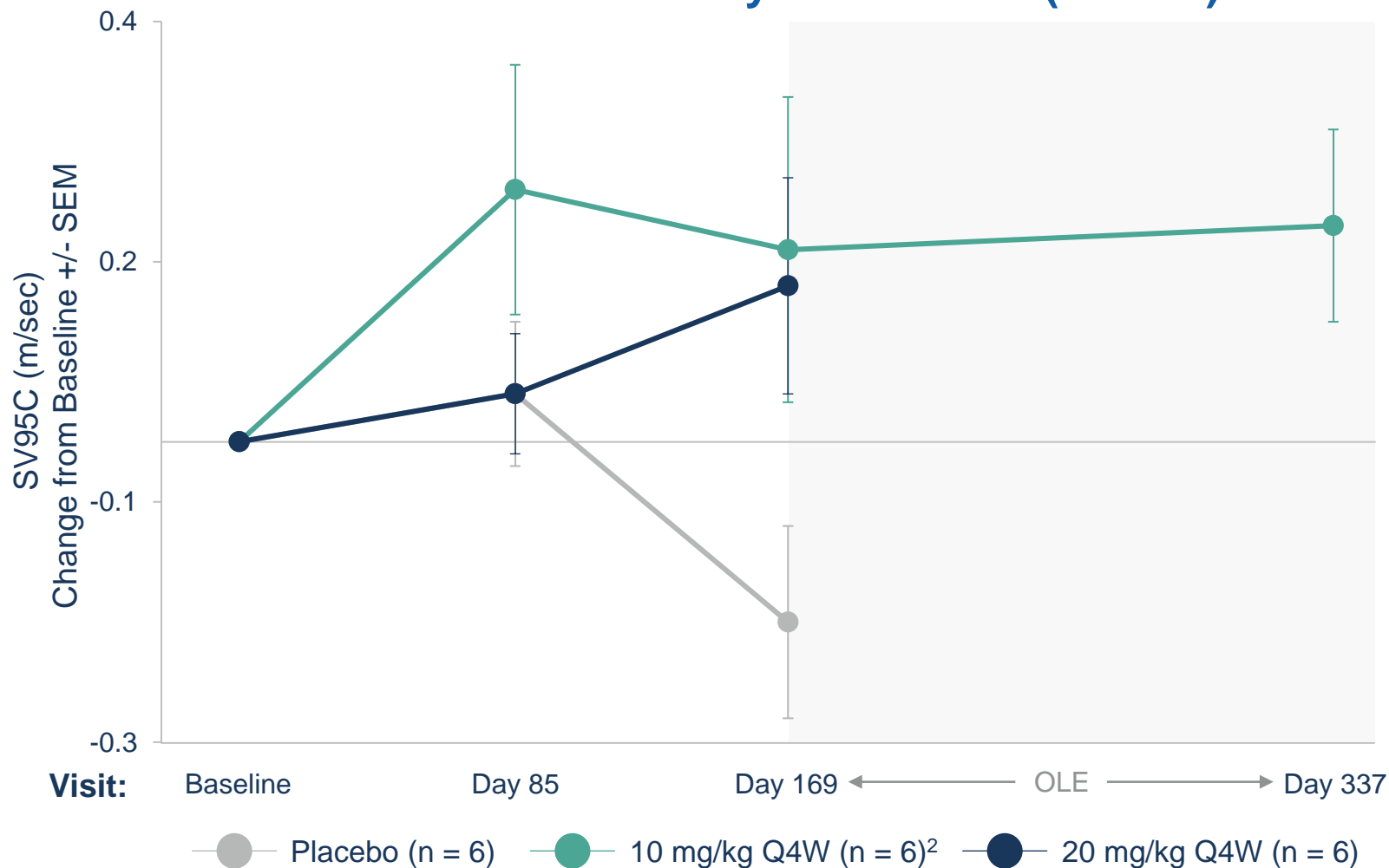
● Placebo (n=6 for SV95C and n=14 for other endpoints) ● DYNE-251 10 mg/kg Q4W (n = 6 for all endpoints)¹ ● DYNE-251 20 mg/kg Q4W (n = 6 for all endpoints)

1. During the OLE, all participants in 10 mg/kg cohort were dose escalated to 20 mg/kg Q4W regimen.

DYNE-251 Drove Clinically Meaningful Improvements in Stride Velocity 95th Centile

SV95C is a Qualified Primary Endpoint for Duchenne Trials in Europe and Leveraged Across Global Trials

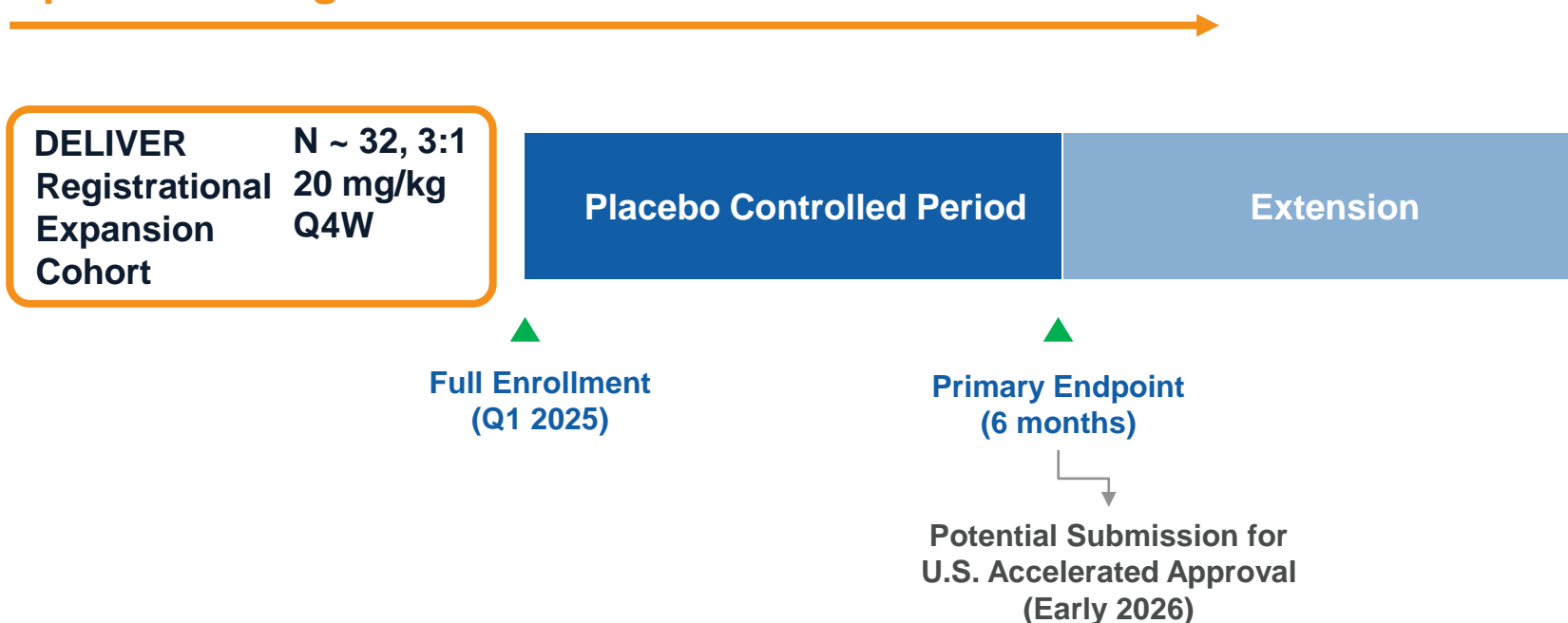
Stride Velocity 95th Centile (SV95C)



- SV95C is a digital objective endpoint of ambulatory performance in patients' normal daily environment
- Patients in DELIVER wore the device on each ankle for 3 weeks prior to the clinic visits
- The change from baseline met the published MCID by the EMA¹

Registrational Expansion Cohort Timeline Enables Potential Submission for U.S. Accelerated Approval in Early 2026

Accelerated Approval Path Enables Speed to Filing



Potential Profile

Primary Endpoint (6 months)

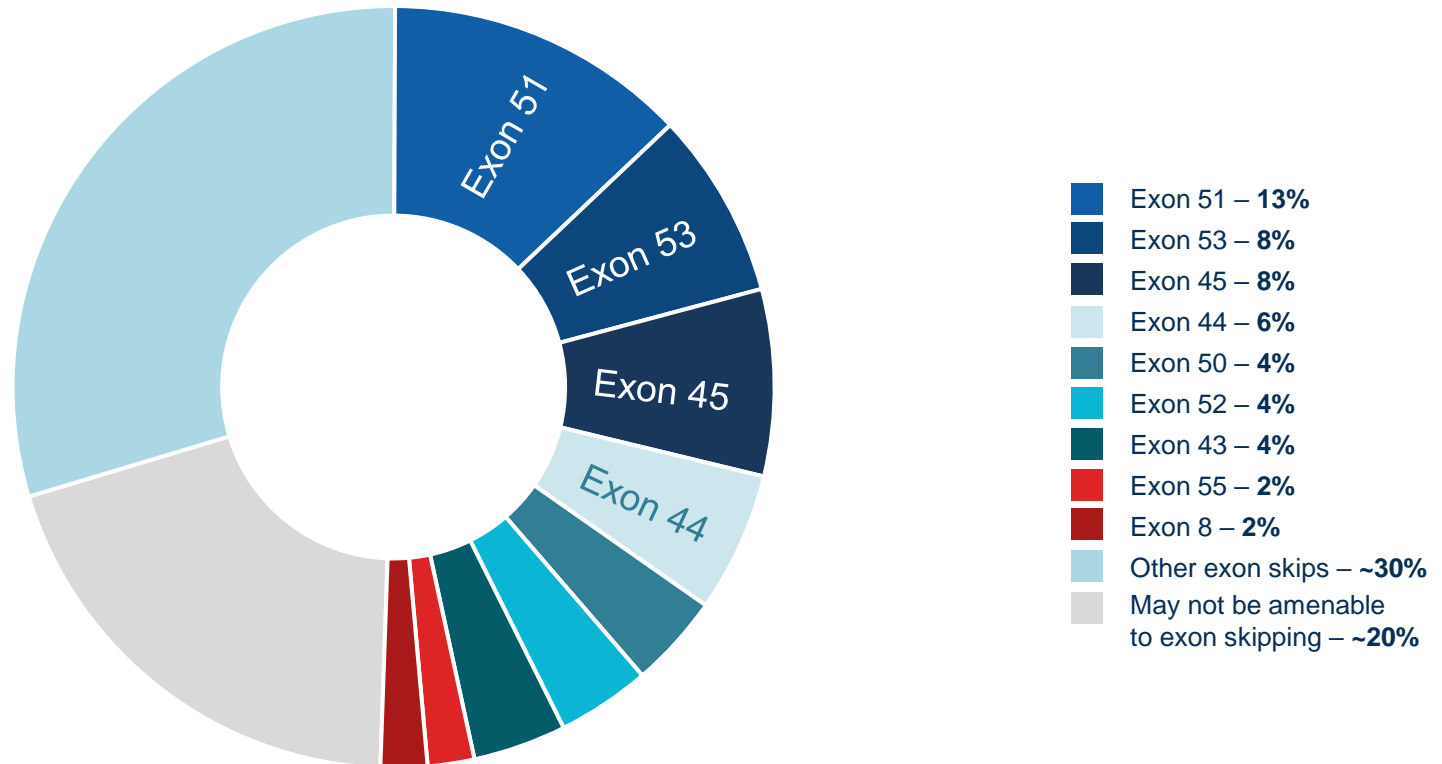
- Change from baseline in dystrophin protein levels by Western Blot

Additional Endpoints

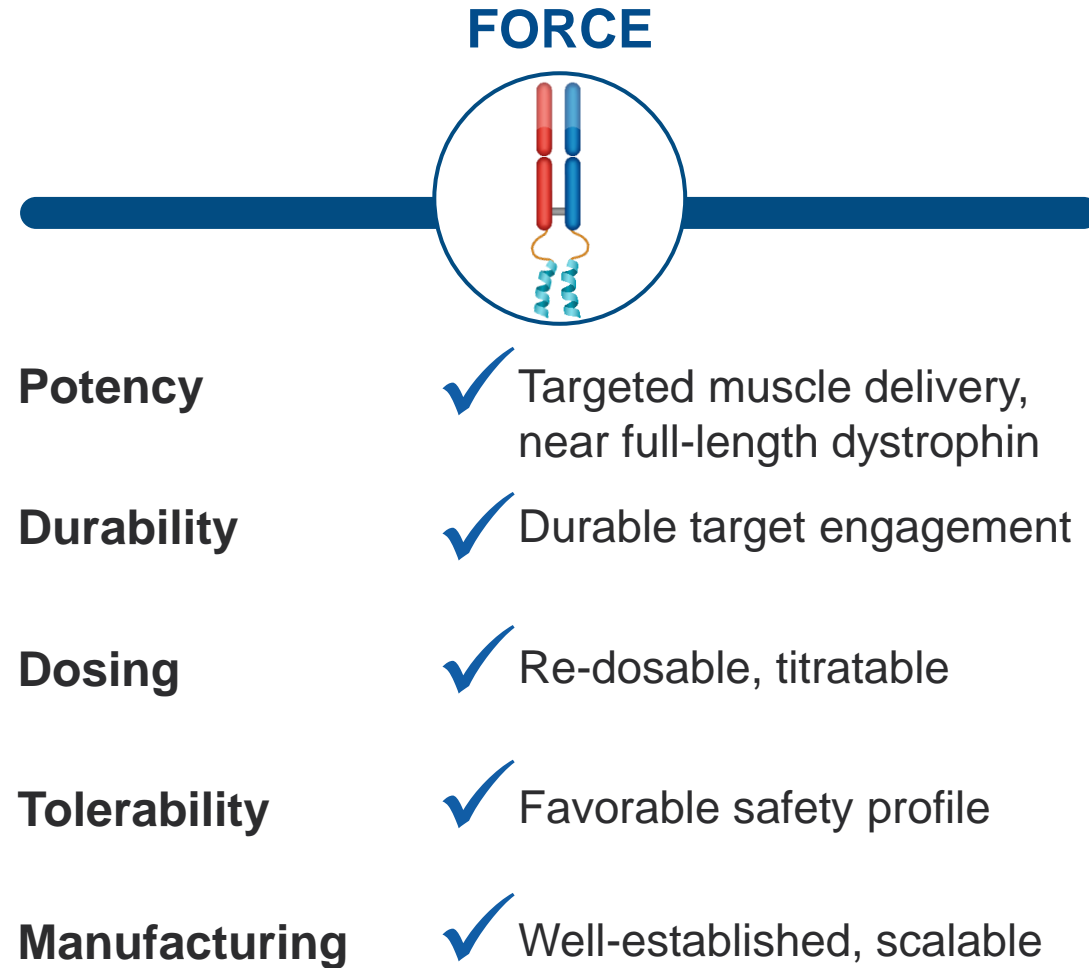
- Change from baseline of:
 - Exon 51 skipping levels
 - Muscle tissue PDPF
- NSAA
- SV95C

Opportunity to Build a Global DMD Franchise: Leading with DYNE-251, Payloads Identified for Exons 53, 45, 44

Approximately
80% of patients
have genotypes amenable
to exon skipping



FORCE Positions Dyne With Potential Leading Role in Evolving DMD Therapeutic Landscape



- Muscle delivery is the challenge
- Clinical data to date validates FORCE's targeted delivery to muscle
- Non-targeted delivery modalities face significant challenges, including an acceptable therapeutic index
- SMA landscape strong analogue to DMD with ZOLGENSMA (gene therapy) and SPINRAZA (oligo) playing an important role in evolving standard of care

Advancing DYNE-251 Towards Potentially Registrational Data Set



Unprecedented level of dystrophin generated, with 3.7% unadjusted and 8.7% muscle content adjusted dystrophin



Improvements in multiple functional outcomes, including SV95C, an approvable endpoint in Europe, in multiple cohorts



Favorable safety profile to date¹; enrolling registrational cohort at 20 mg/kg Q4W



Supports further development of DMD global franchise

Enrolling registrational cohort based on regulatory interactions and strength of data

Building Momentum Toward Potential Launches in 2027

	2024	2025	2026
DYNE-101 for DM1	<ul style="list-style-type: none">✓ MAD Complete✓ Registrational dose selected	Fully enroll Registrational Expansion Cohort (mid-2025)	<p>Registrational Expansion Cohort readout (H1 2026)</p> <hr/> <p>Submission for U.S. Accelerated Approval (H1 2026)</p>
DYNE-251 for Exon 51 DMD	<ul style="list-style-type: none">✓ Registrational Expansion Cohort initiated	Registrational Expansion Cohort readout (late 2025)	Submission for U.S. Accelerated Approval (early 2026)

FSHD Program



Overview

- Aberrant expression of DUX4
- Onset in teen years or young adulthood
- Normal life expectancy



Clinical Presentation

- Progressive wasting and skeletal muscle loss
- Significant physical limitations



Population

- ~16,000 - 38,000 (US)
- ~35,000 (Europe)



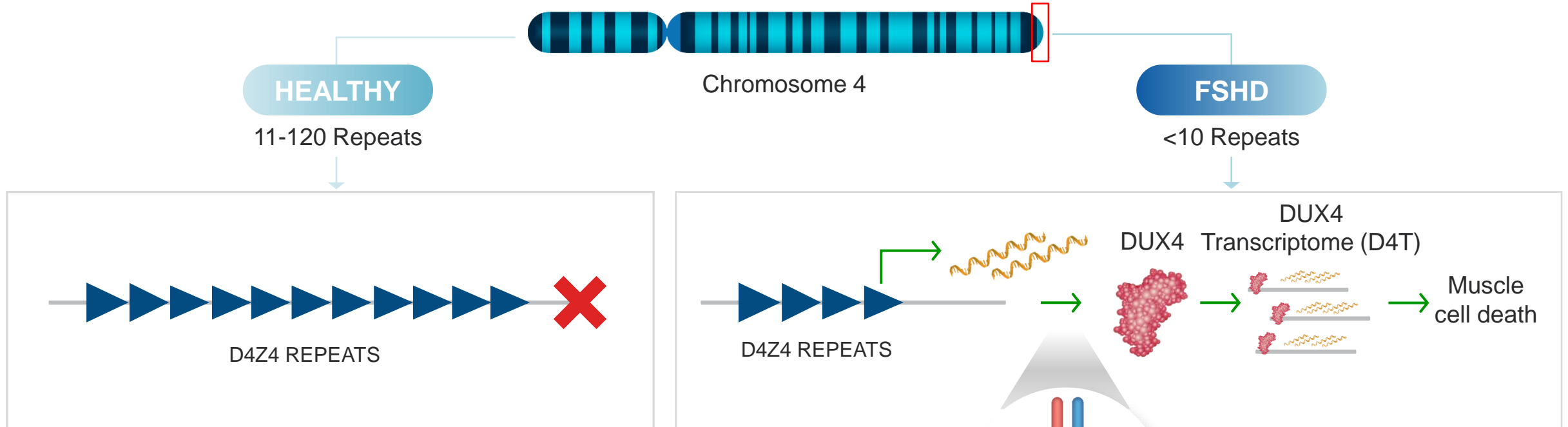
NO
approved
therapies

OUR APPROACH

Disease-Modifying DUX4 Knockdown

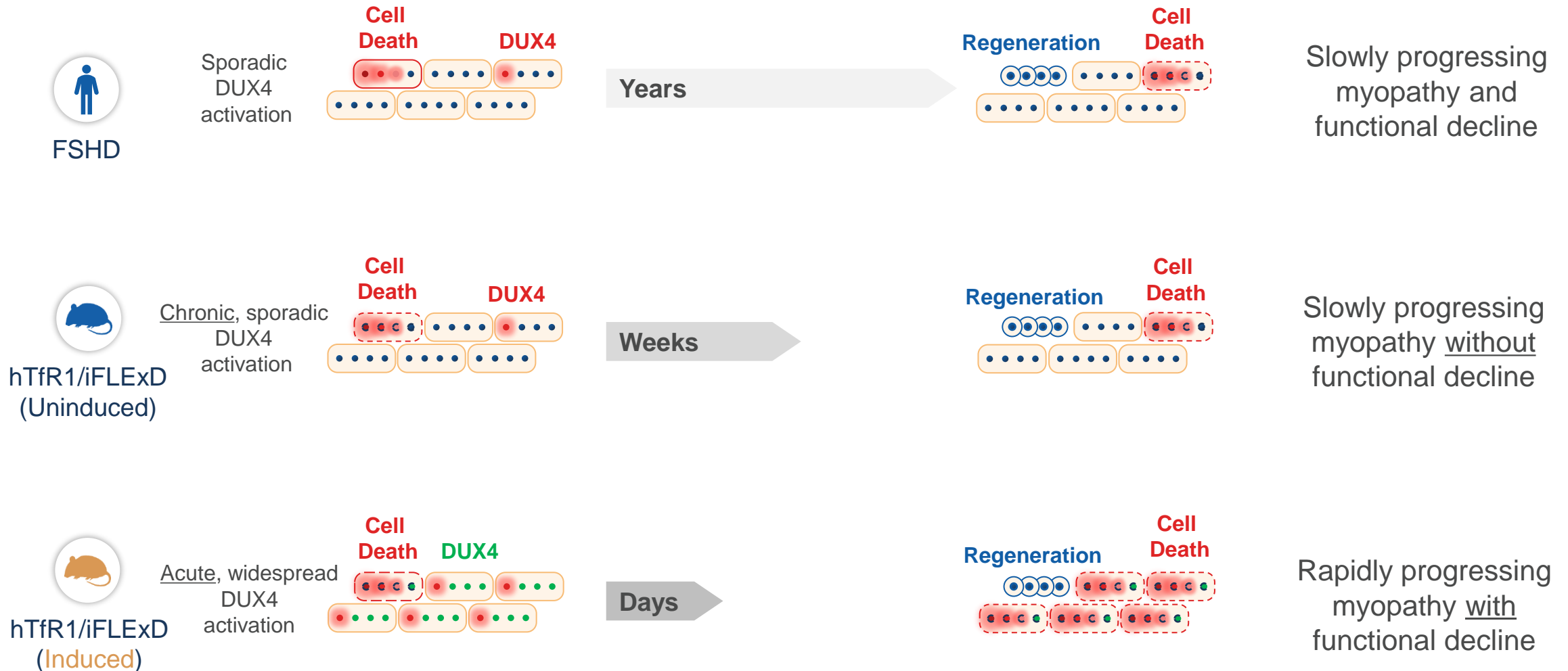
Targeting toxic *DUX4* mRNA expression to potentially **stop or reverse disease progression**

DYNE-302 Targets the Genetic Basis of FSHD



DYNE-302: designed to address the genetic basis of disease by **targeting toxic *DUX4* expression** with siRNA payload

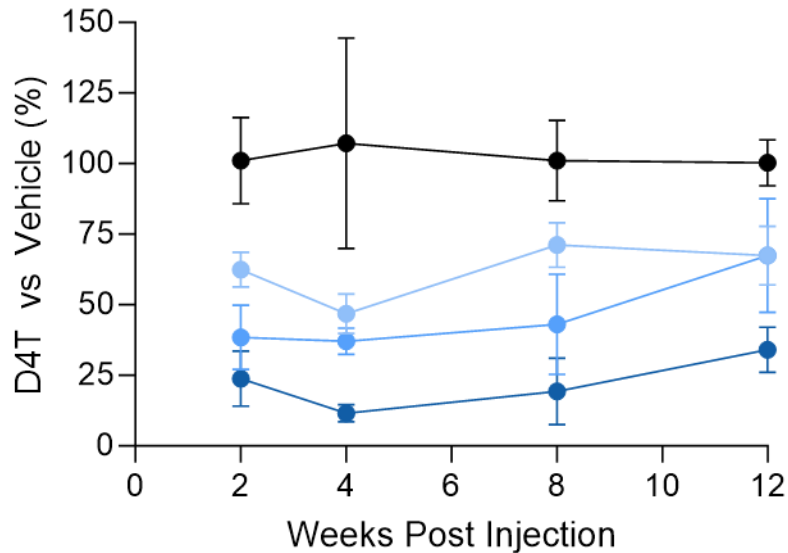
The hTfR1/iFLExD Mouse Model Recapitulates Multiple Aspects of Human FSHD



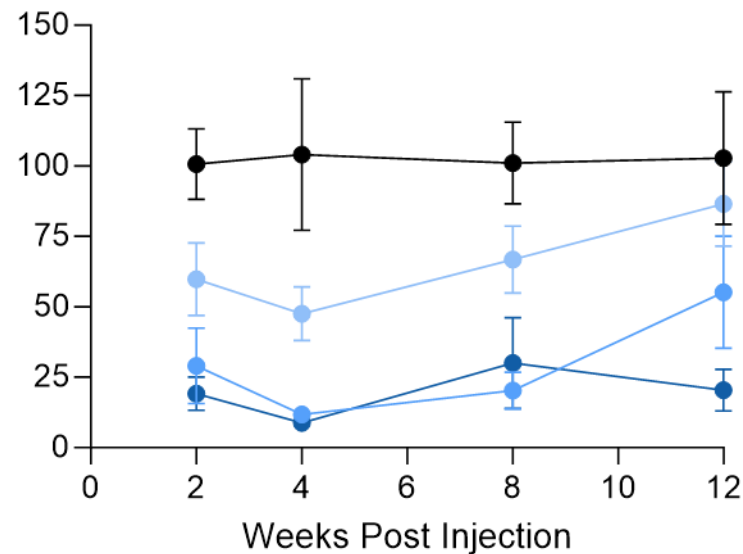
Single Dose of DYNE-302 Achieved Robust, Durable, and Dose-Dependent D4T Knockdown in Skeletal Muscle of hTfR1/iFLExD FSHD Mice



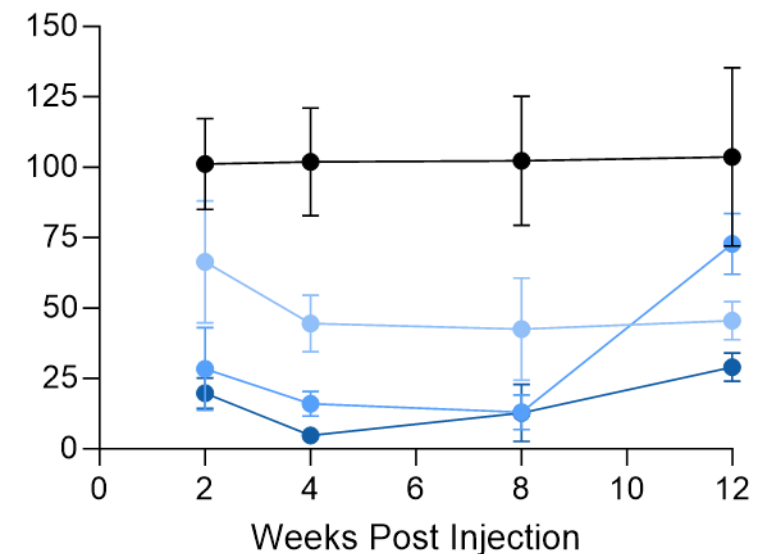
Quadriceps



Gastrocnemius



Tibialis Anterior



● Vehicle ● DYNE-302 Low Dose ● DYNE-302 Medium Dose ● DYNE-302 High Dose

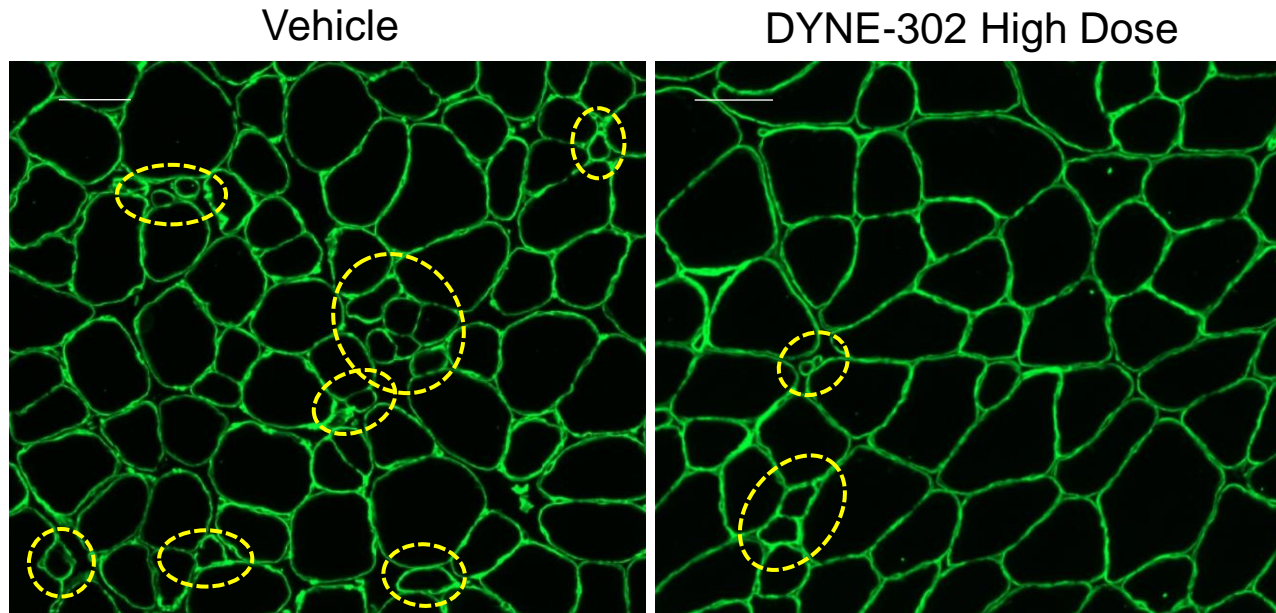
DYNE-302 demonstrates potential for infrequent dosing, out to Q12W

Single Dose of DYNE-302 Corrected Muscle Pathology in Quadriceps of the Uninduced hTfR1/iFLExD FSHD Model at 12 Weeks



DYNE-302 reduces hypotrophic myofibers

Quantification of hypotrophic myofiber reduction

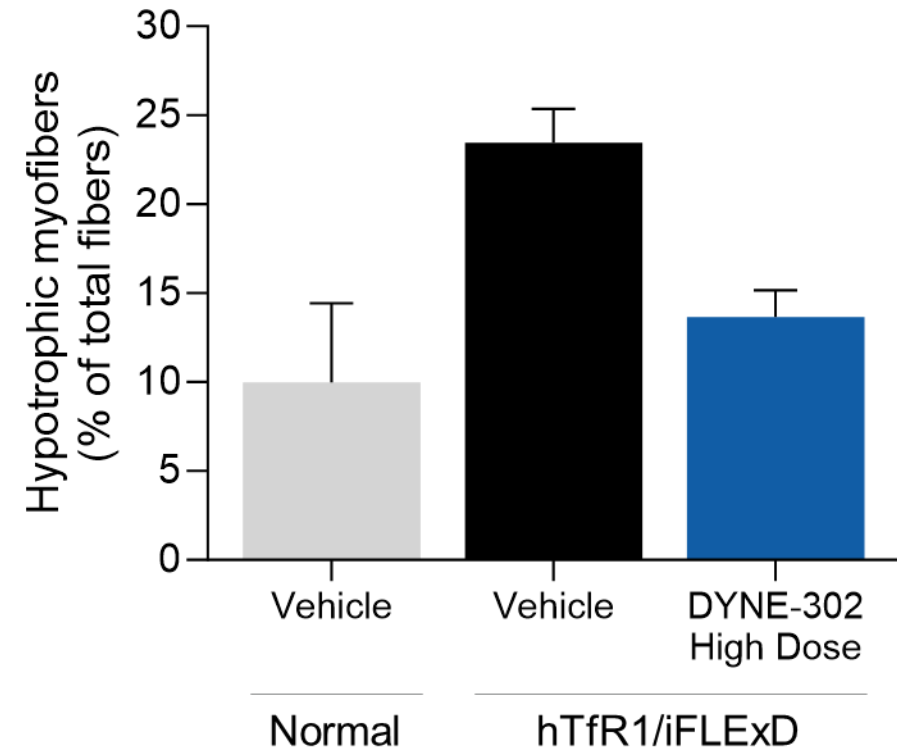


hTfR1/iFLExD

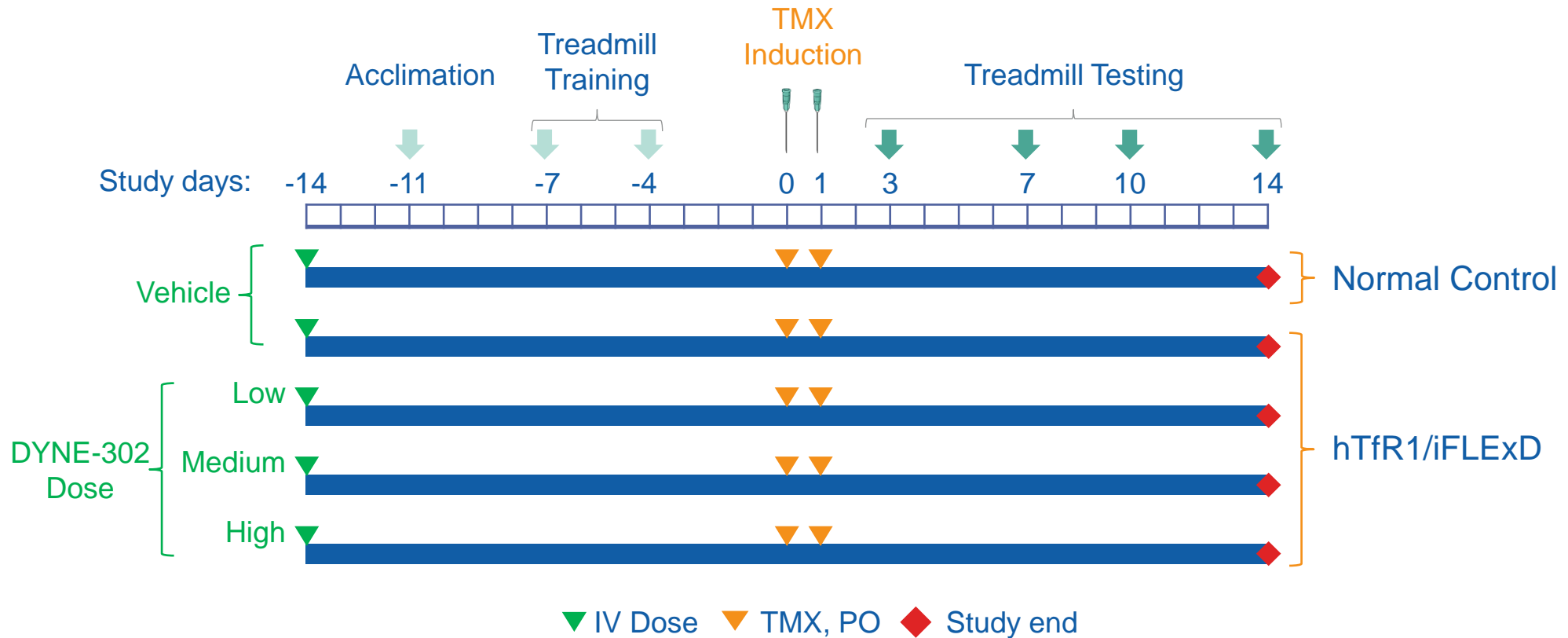
Laminin



Fiber splitting (hypotrophic myofibers)



Study to Establish DYNE-302 Functional Benefit in the Induced hTfR1/iFLExD FSHD Mouse Model



Single Dose of DYNE-302 Demonstrated Functional Benefit in the Induced hTfR1/iFLExD FSHD Mouse Model



Functional assessment in forced treadmill run test

