Figure 2: Comparison of candidate Muscopytes that transiently express myostatin

| Candidate     | Myostatin Expression | Myostatin Knockdown
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ectopic</td>
<td>High</td>
<td>Low</td>
</tr>
<tr>
<td>Myoblast</td>
<td>Medium</td>
<td>High</td>
</tr>
<tr>
<td>Cardiomyocyte</td>
<td>Low</td>
<td>Medium</td>
</tr>
</tbody>
</table>

Diagnosis
- Genetic screening
- Clinical examination
- Histopathology

Presentation
- Myopathy
- Growth retardation
- Skeletal abnormalities
- Cardiac involvement

Conclusion
New therapies are being explored.

Outcome and Follow-up
- Reduced muscle mass
- Improved strength
- Enhanced endurance

Case Example
- Genetic screening: mutation in LMNA gene
- Treatment: muscle biopsy, genetic counseling

Discussion
- Challenges in treating muscular dystrophy