
Denbury Carbon Solutions, LLC

Geologic Site Characterization

Orion Storage Facility, Baldwin County, Alabama



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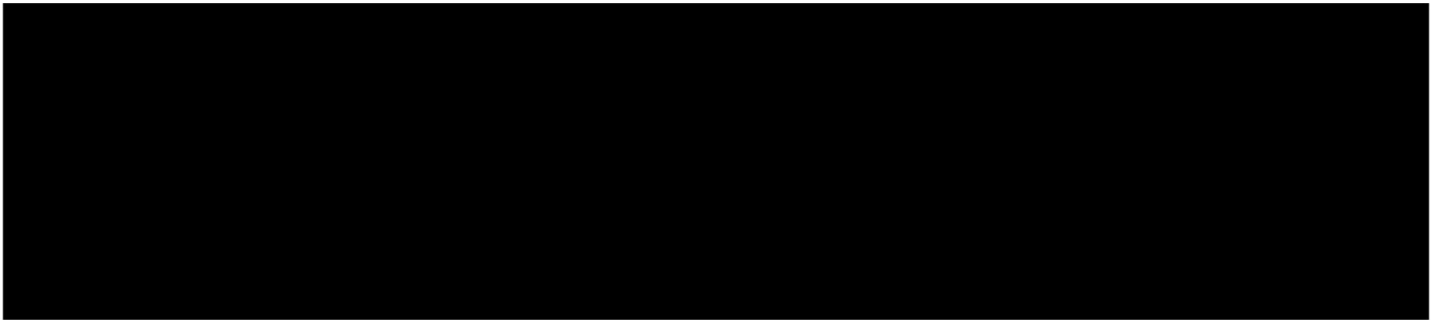
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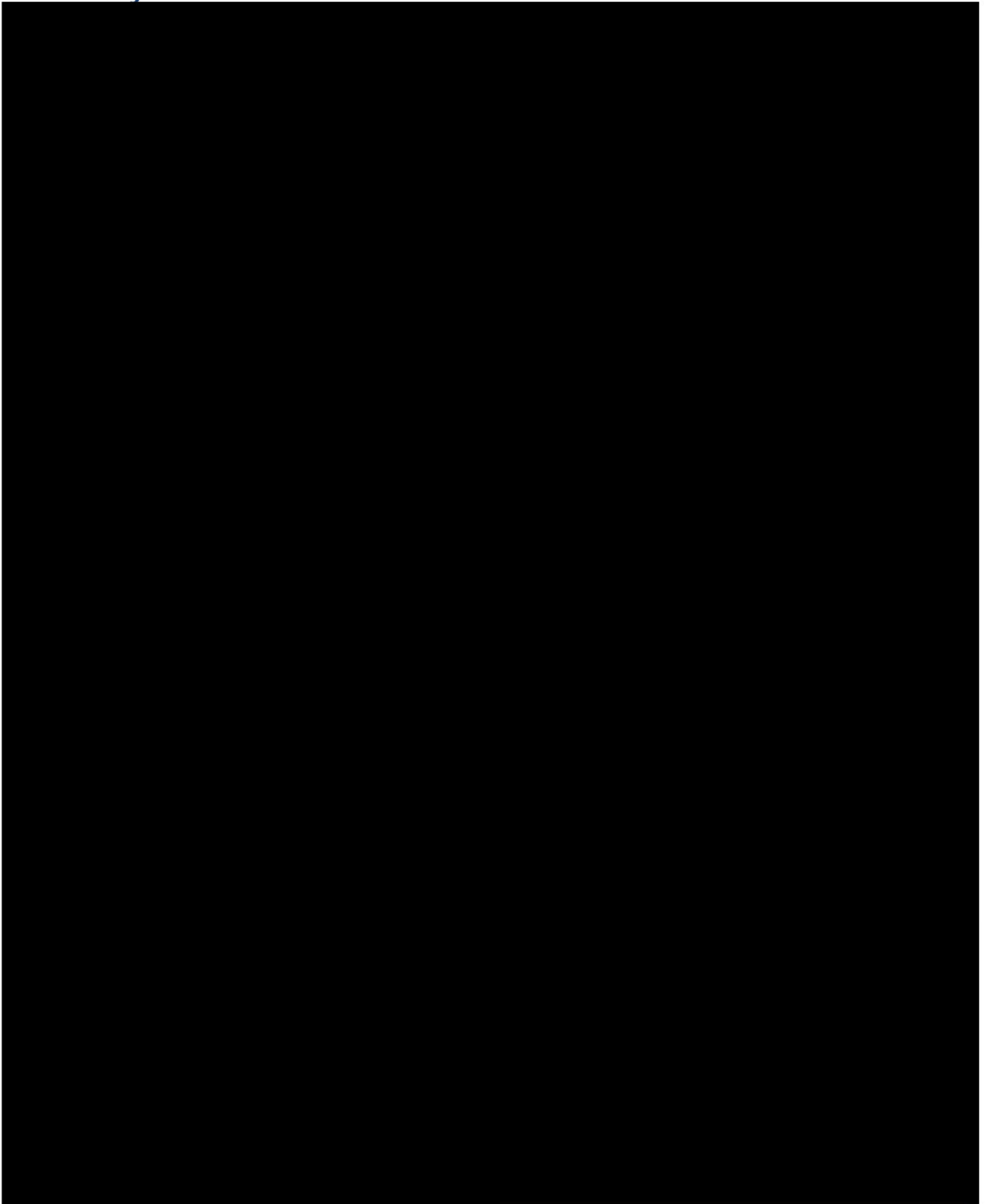
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ACRONYMS/ABBREVIATIONS

Acronyms/Abbreviations	Definition
AOGB	Alabama Oil and Gas Board
AoR	Area of Review
bgs	Below ground surface
CO ₂	Carbon Dioxide
Fm	Formation
FS	Flooding surface
gpm	Gallons per minute
GSA	Geological Survey of Alabama
HRA	Heterogeneous Rock Analysis
mD	Millidarcies
MDT	Modular Formation Dynamics Tester
MFS	Maximum flooding surface
µg/L	Micrograms per liter
µs/ft	Microsecond per foot
mg/L	Milligrams per liter
nD	Nanodarcies
RCAL	Routine core analysis
SCAL	Special core analysis
SP	Spontaneous potential
TMS	Tuscaloosa Marine Shale
UIC	Underground Injection Control
USDW	Underground Source of Drinking Water
USGS	United States Geological Survey
Vsh	Shale volume
XRD	X-ray Diffraction

1.0 FACILITY INFORMATION

Facility Name: Orion Storage Facility

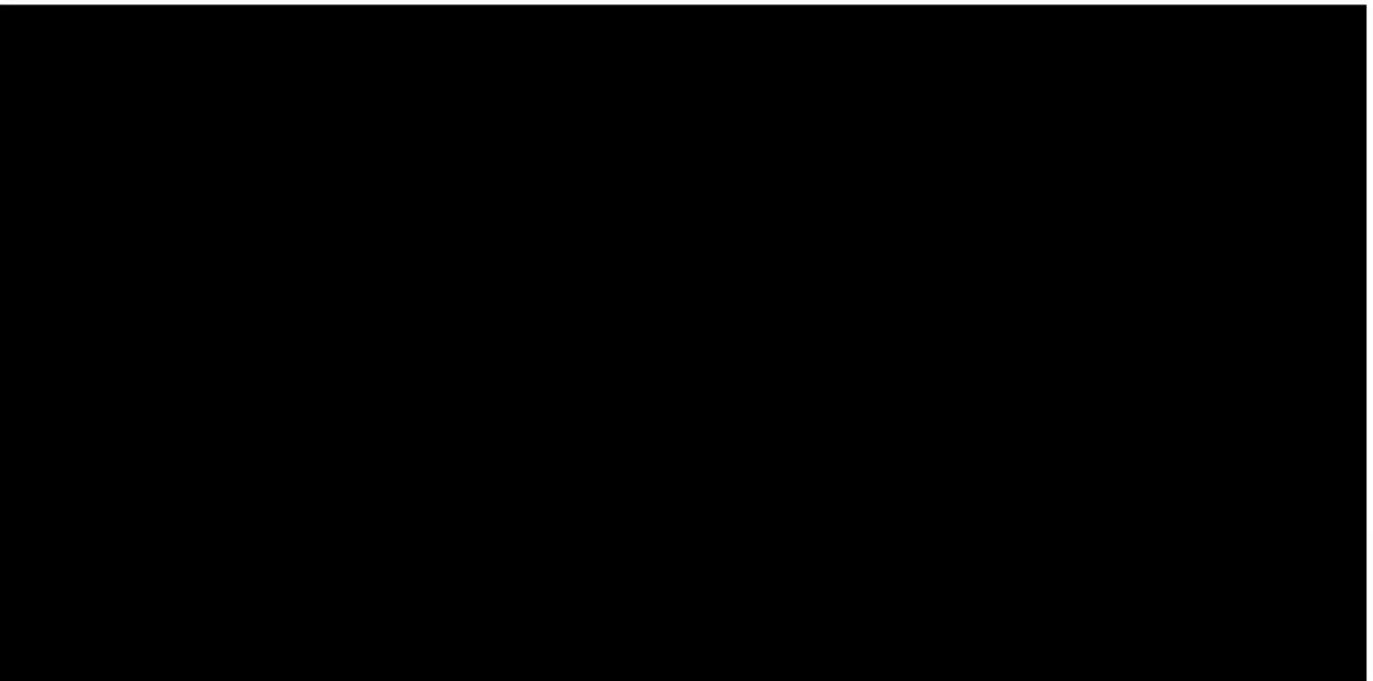


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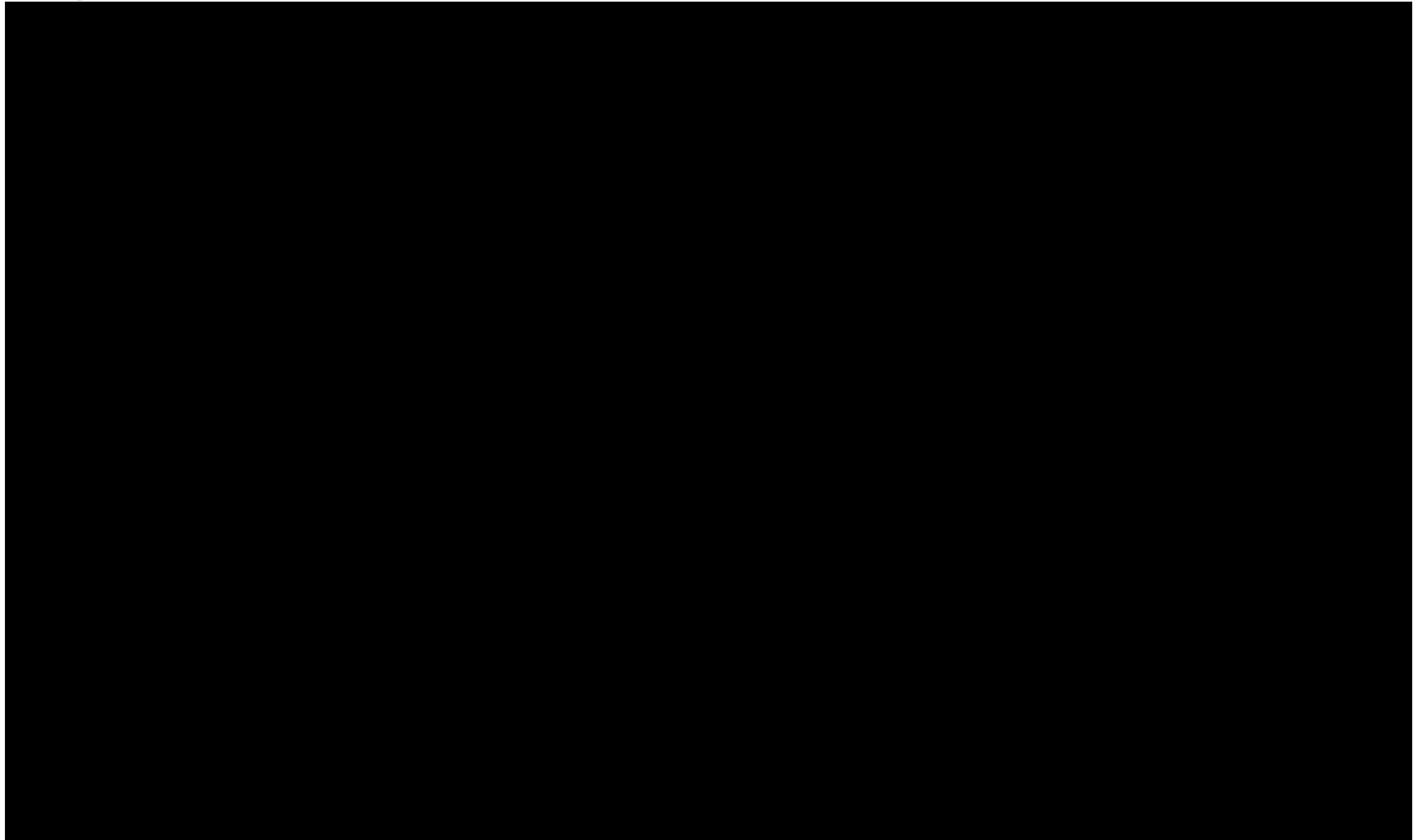


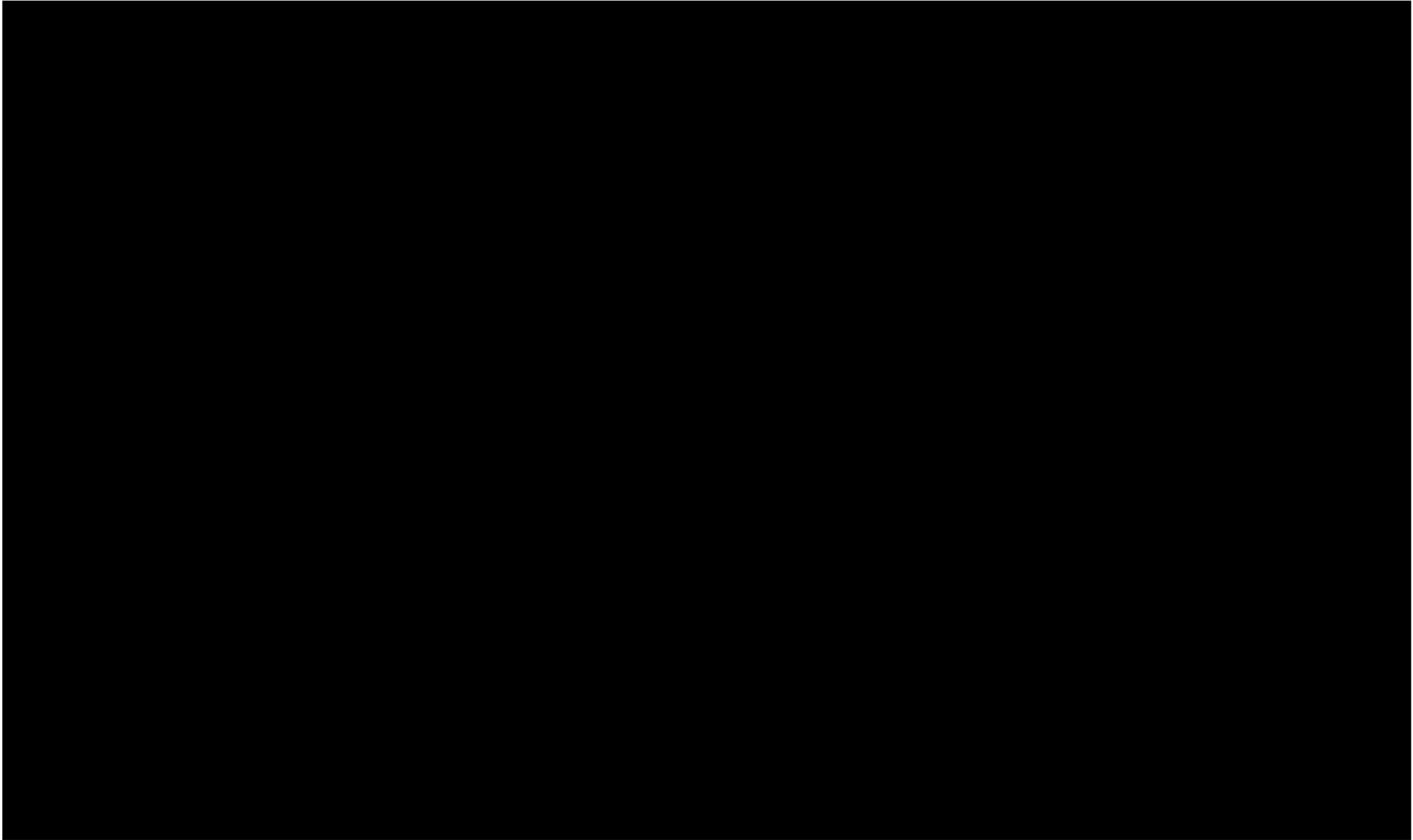
2.0 GEOLOGY, GEOLOGIC STRUCTURE, AND HYDROGEOLOGY

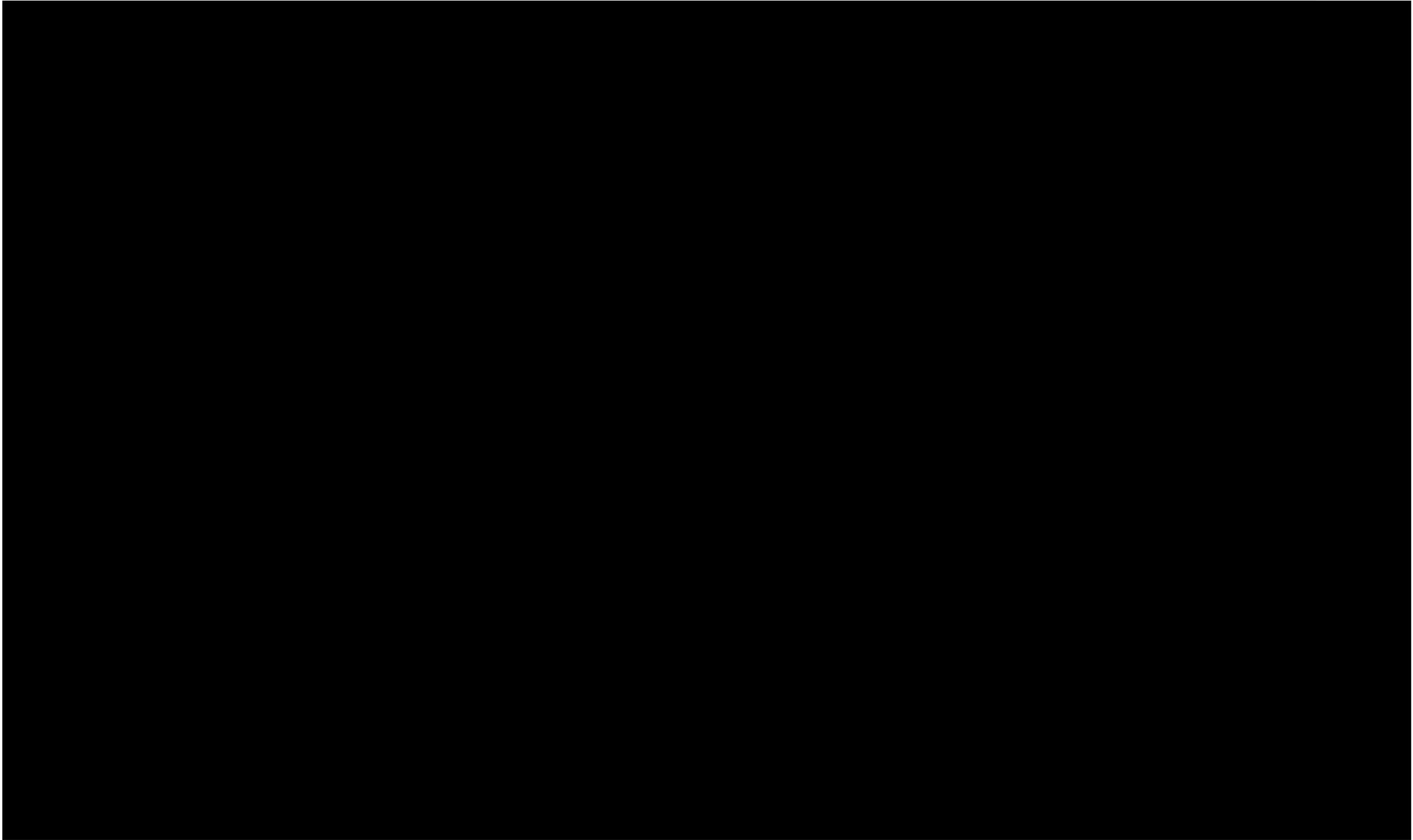
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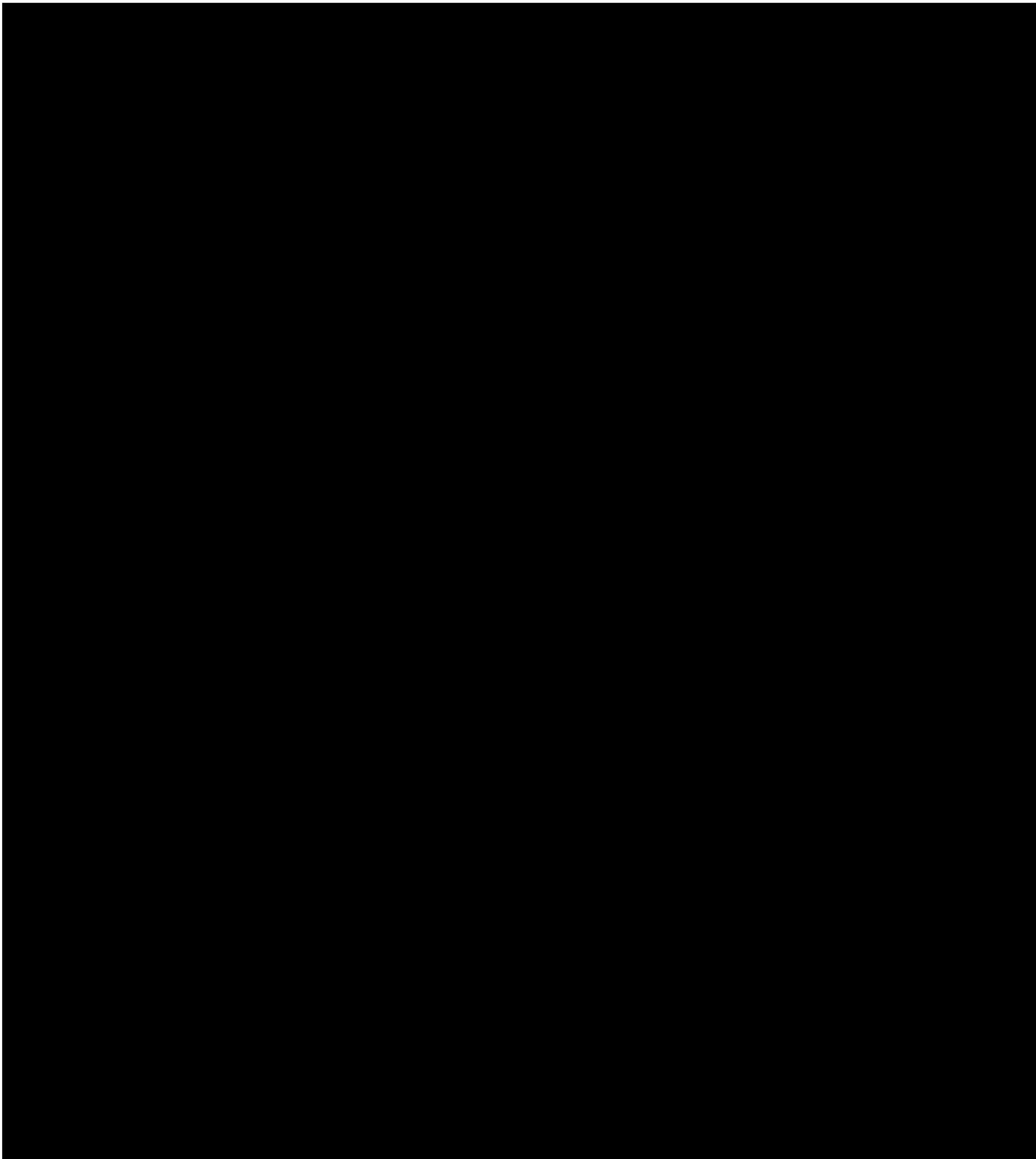


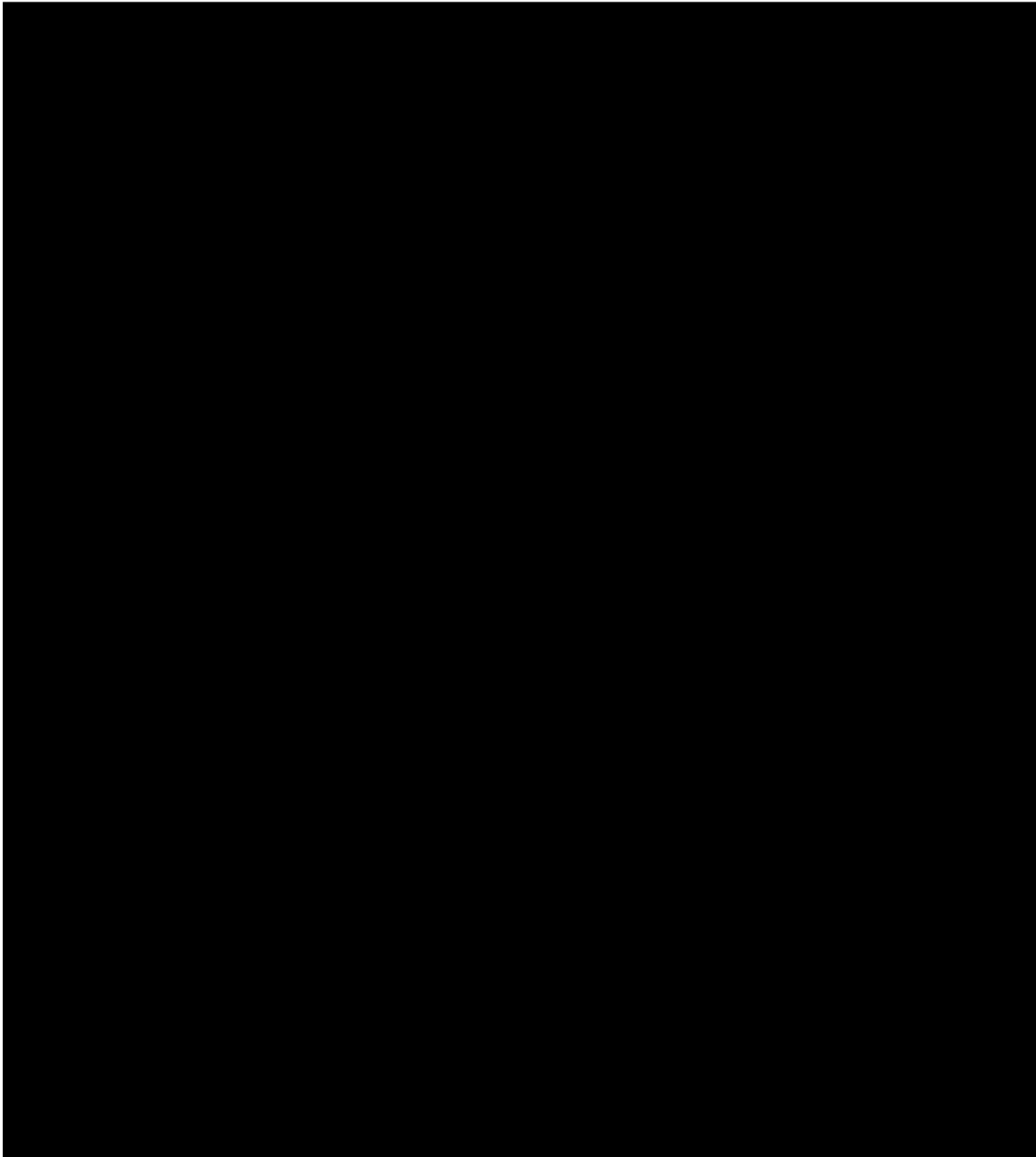


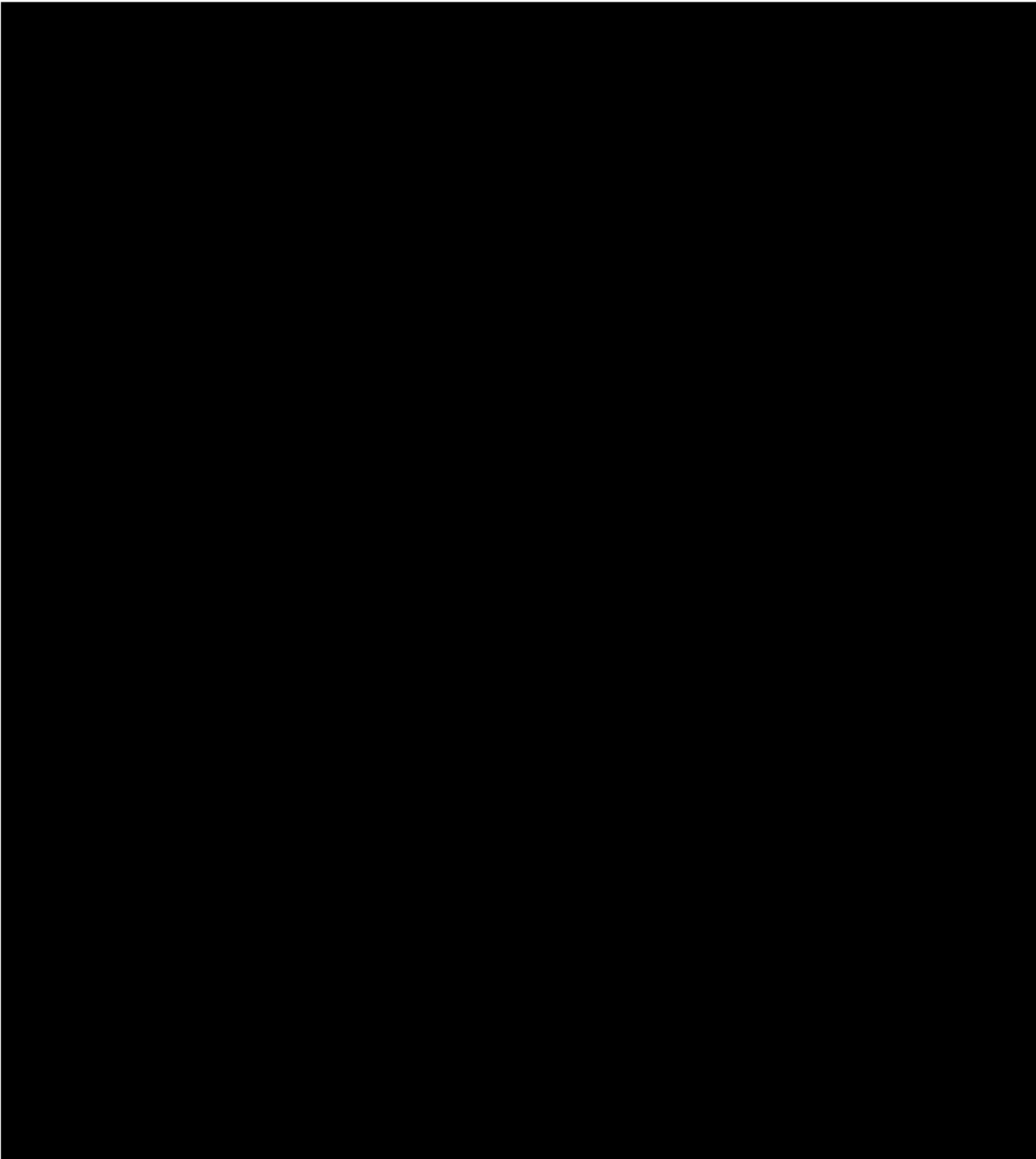


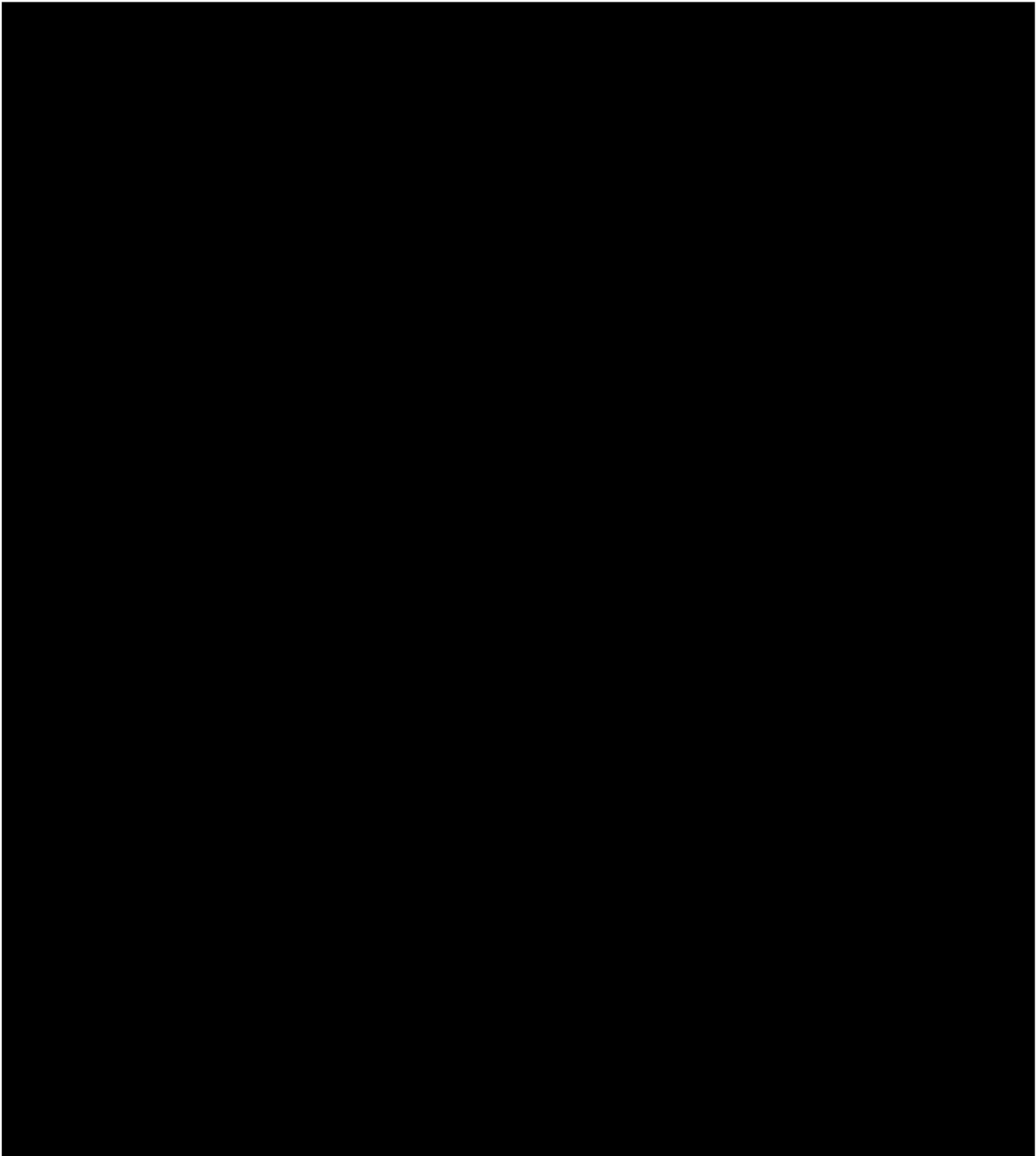


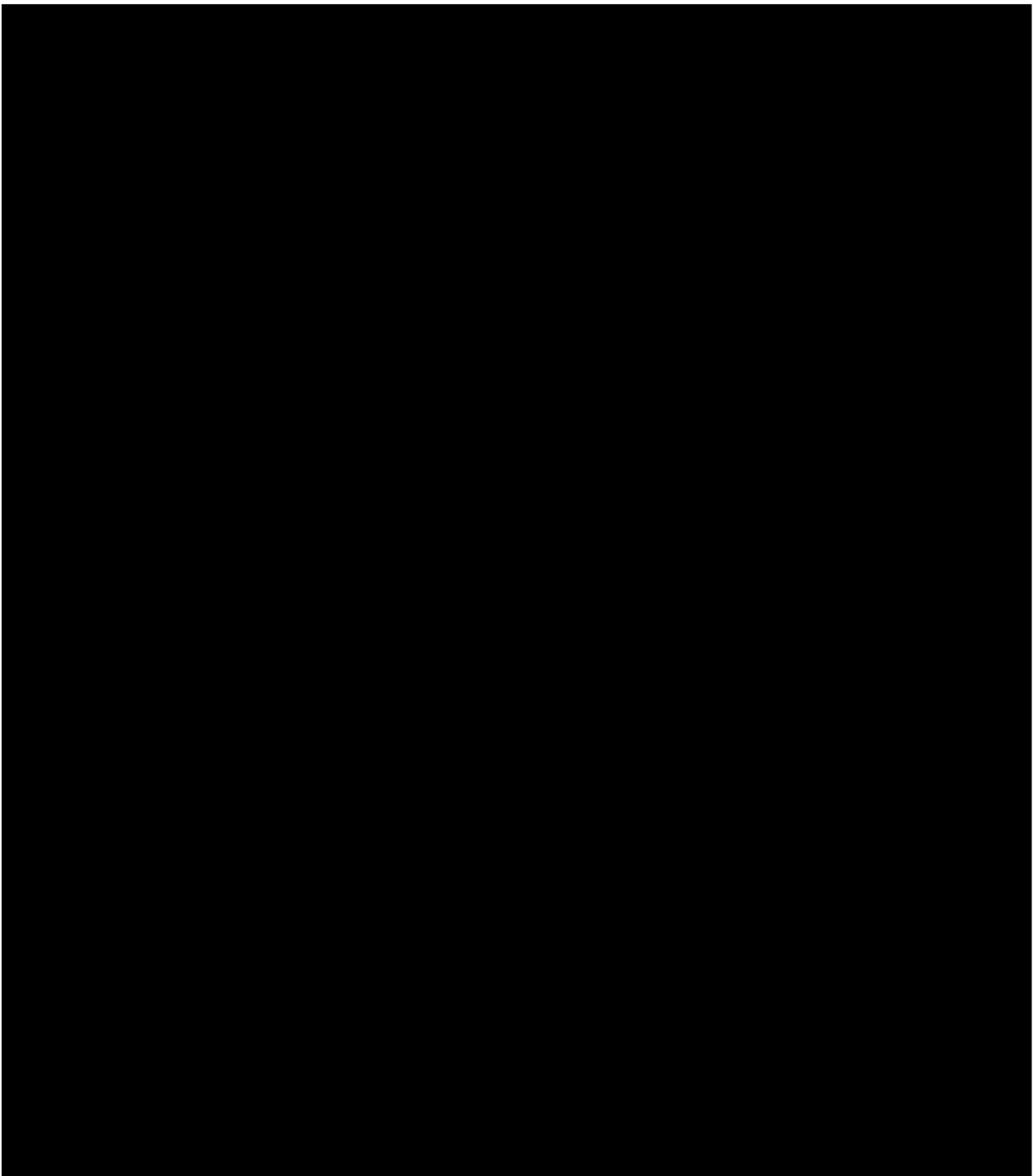


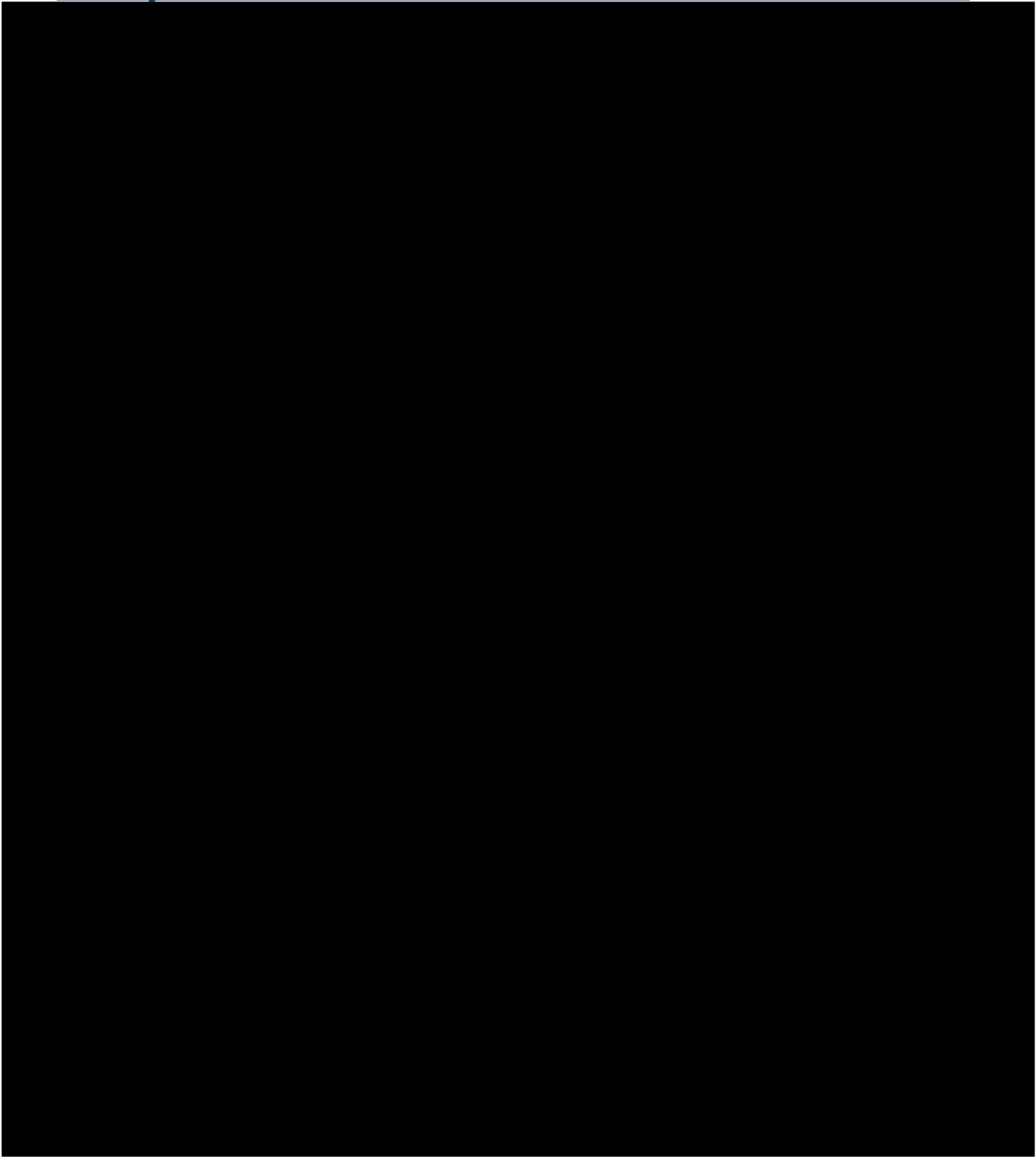


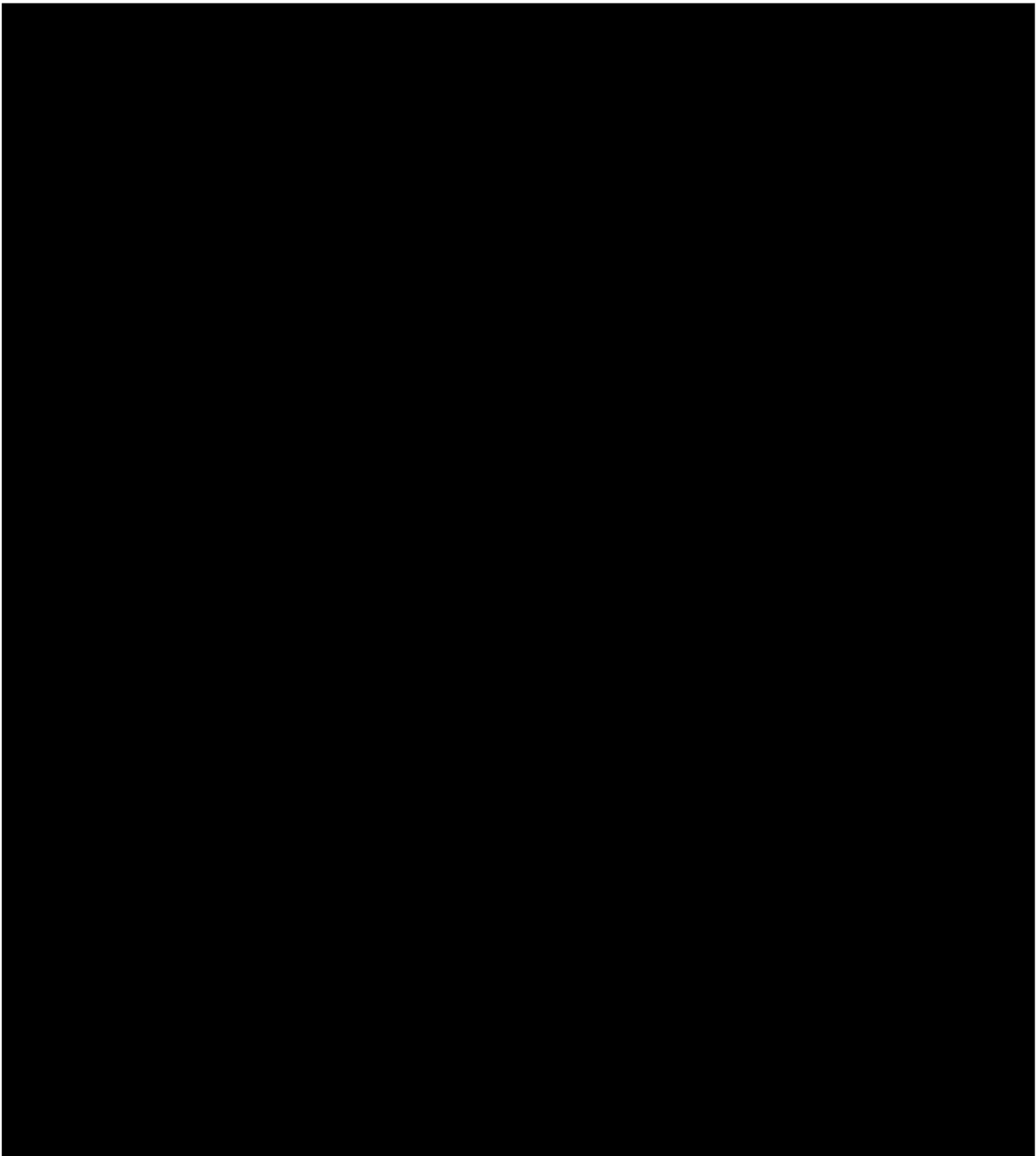


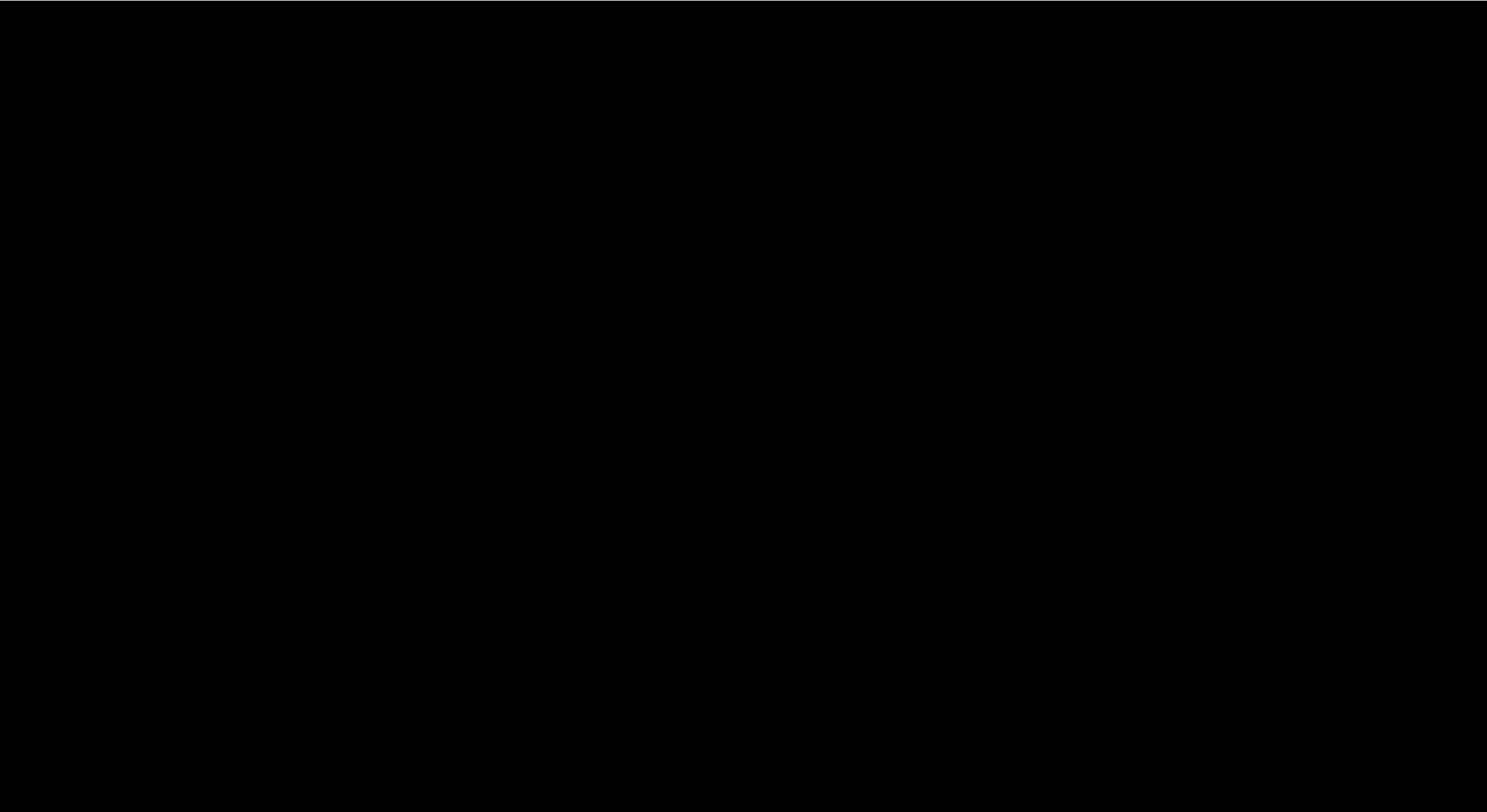


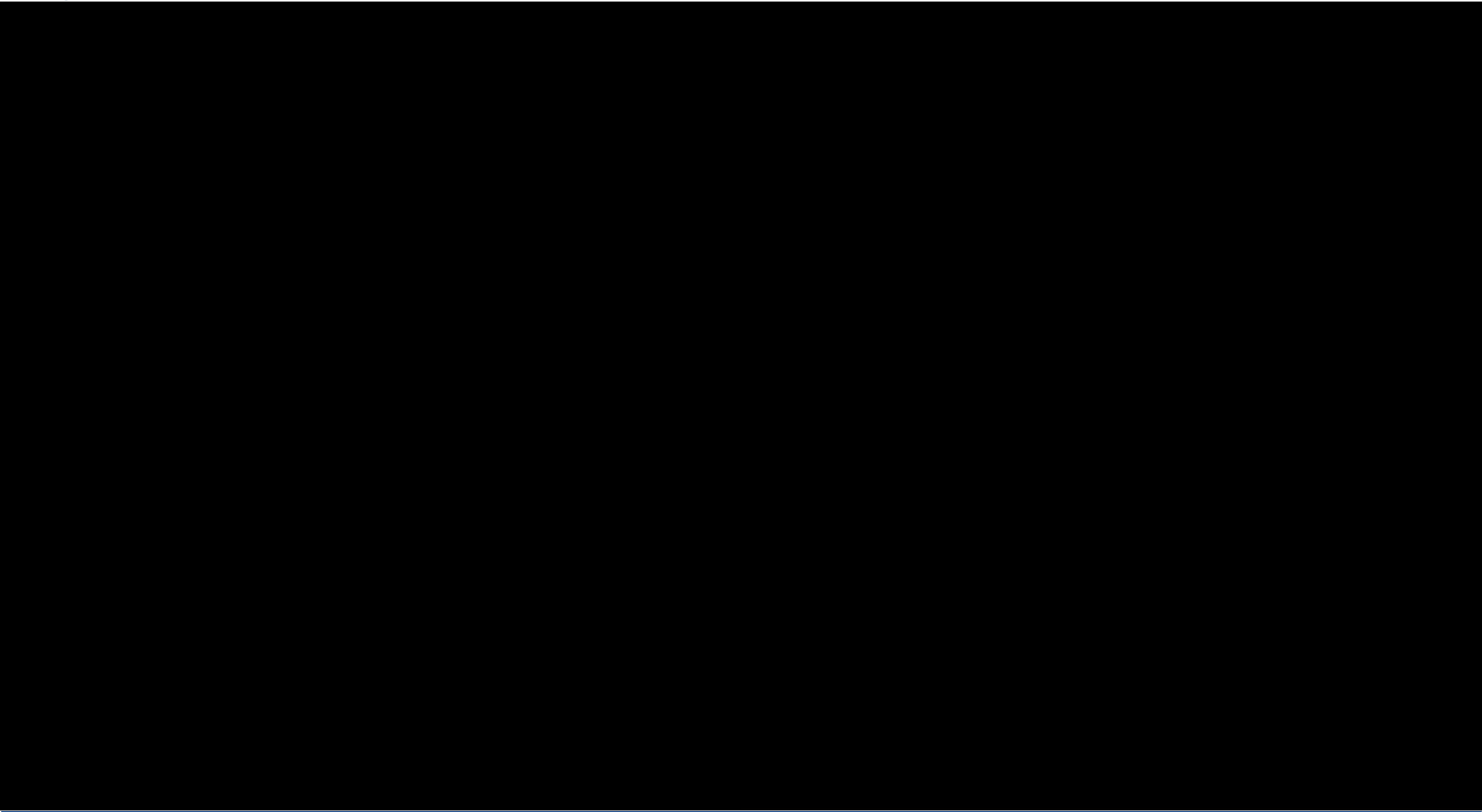


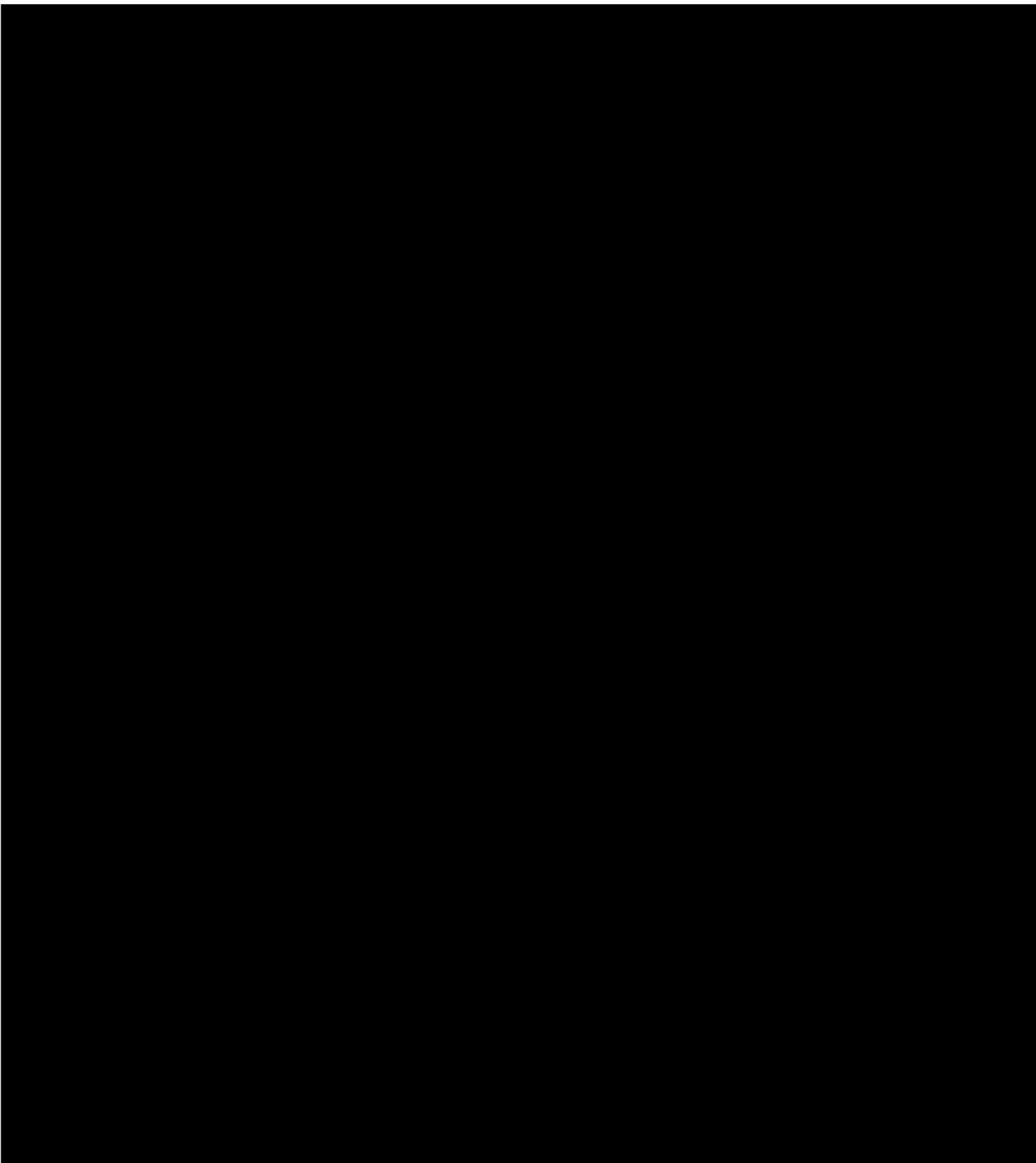


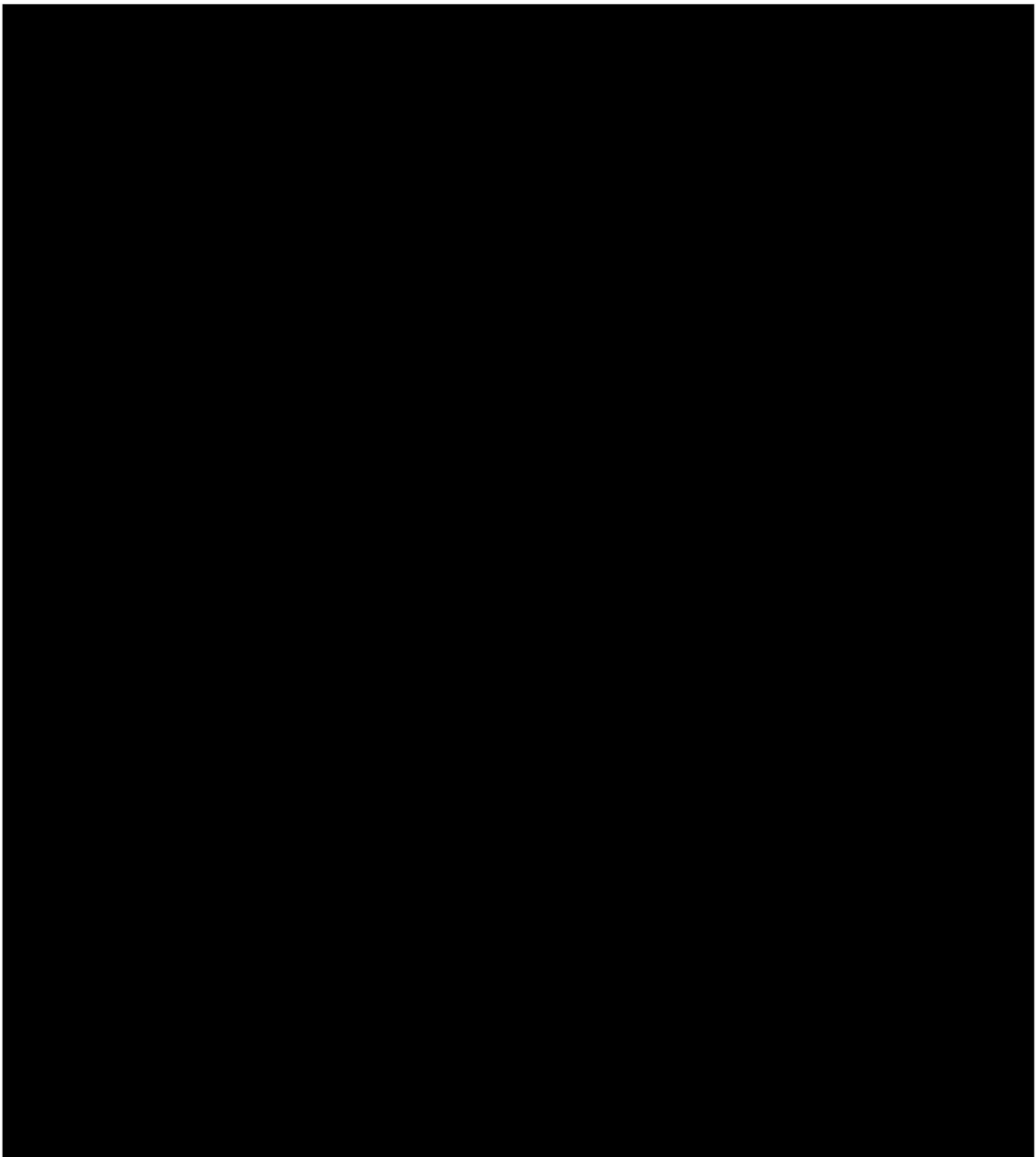


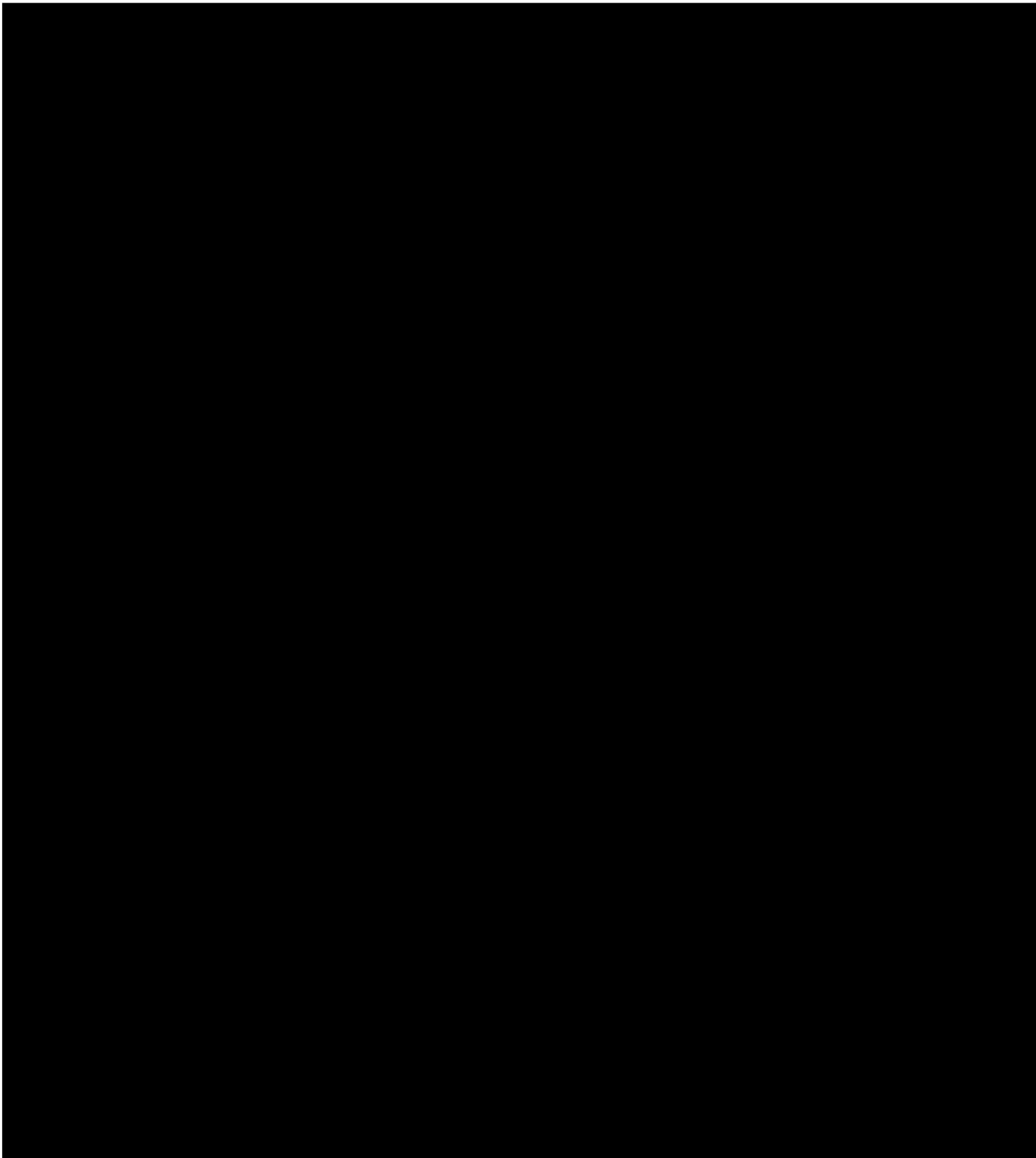


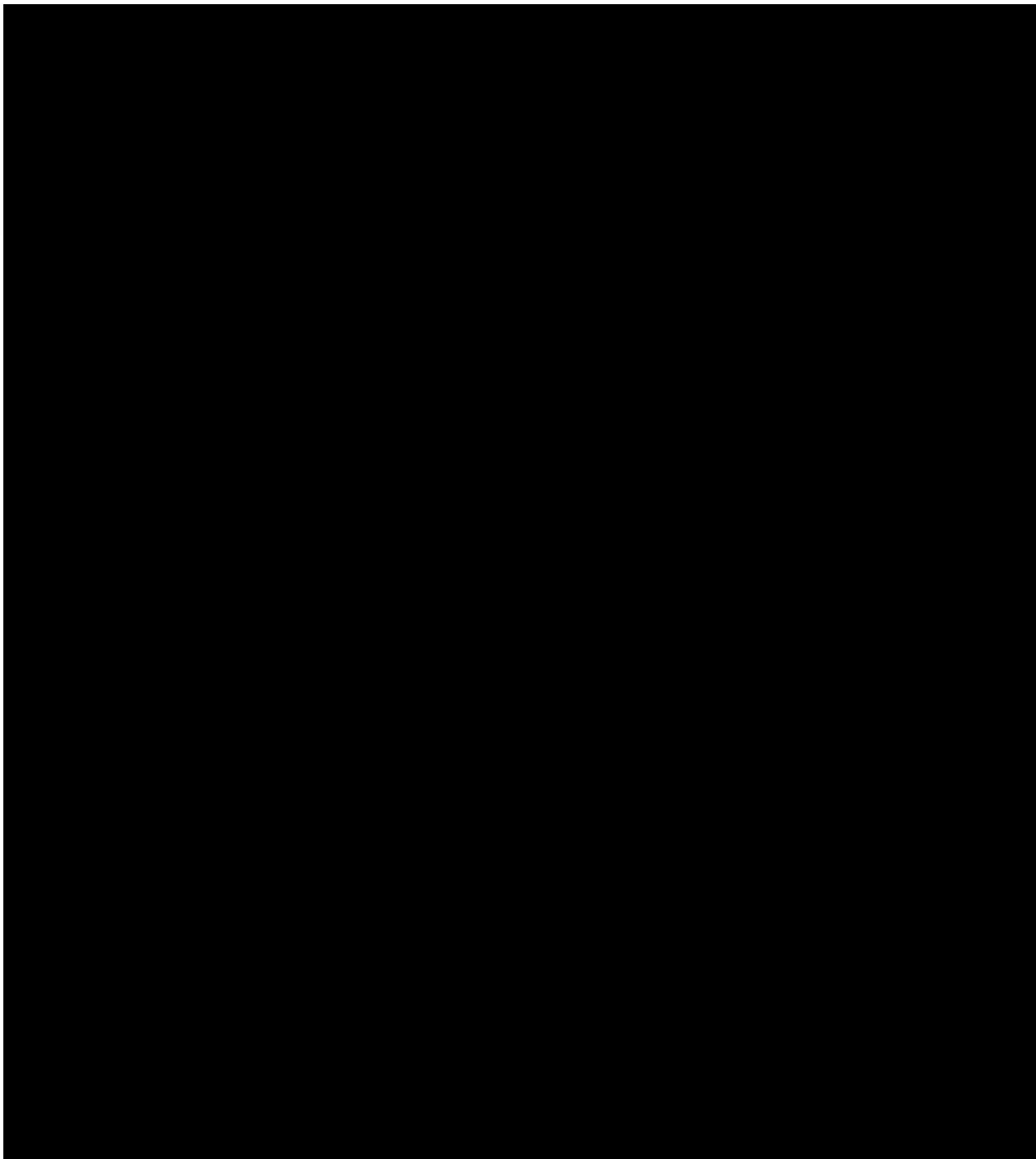


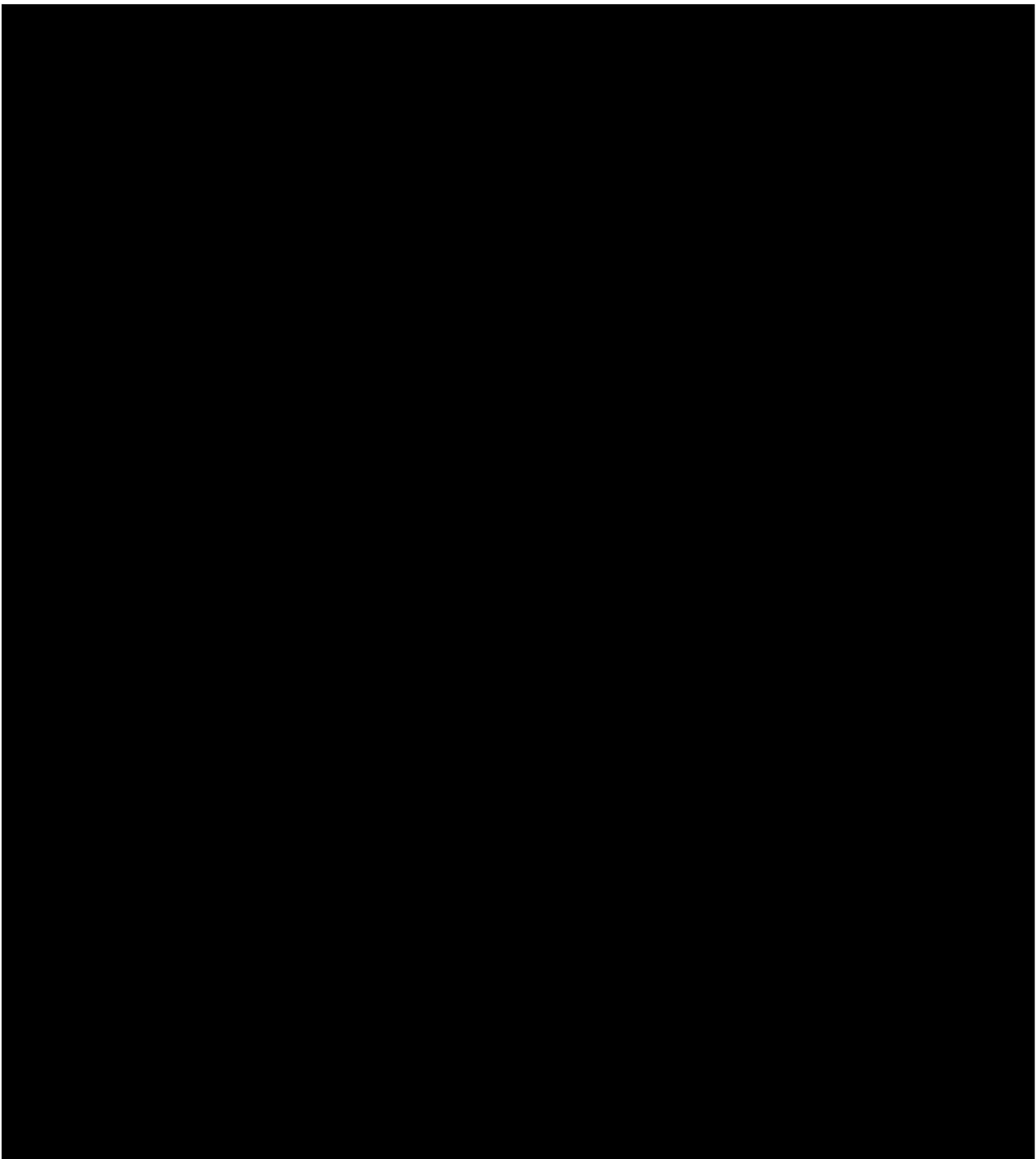


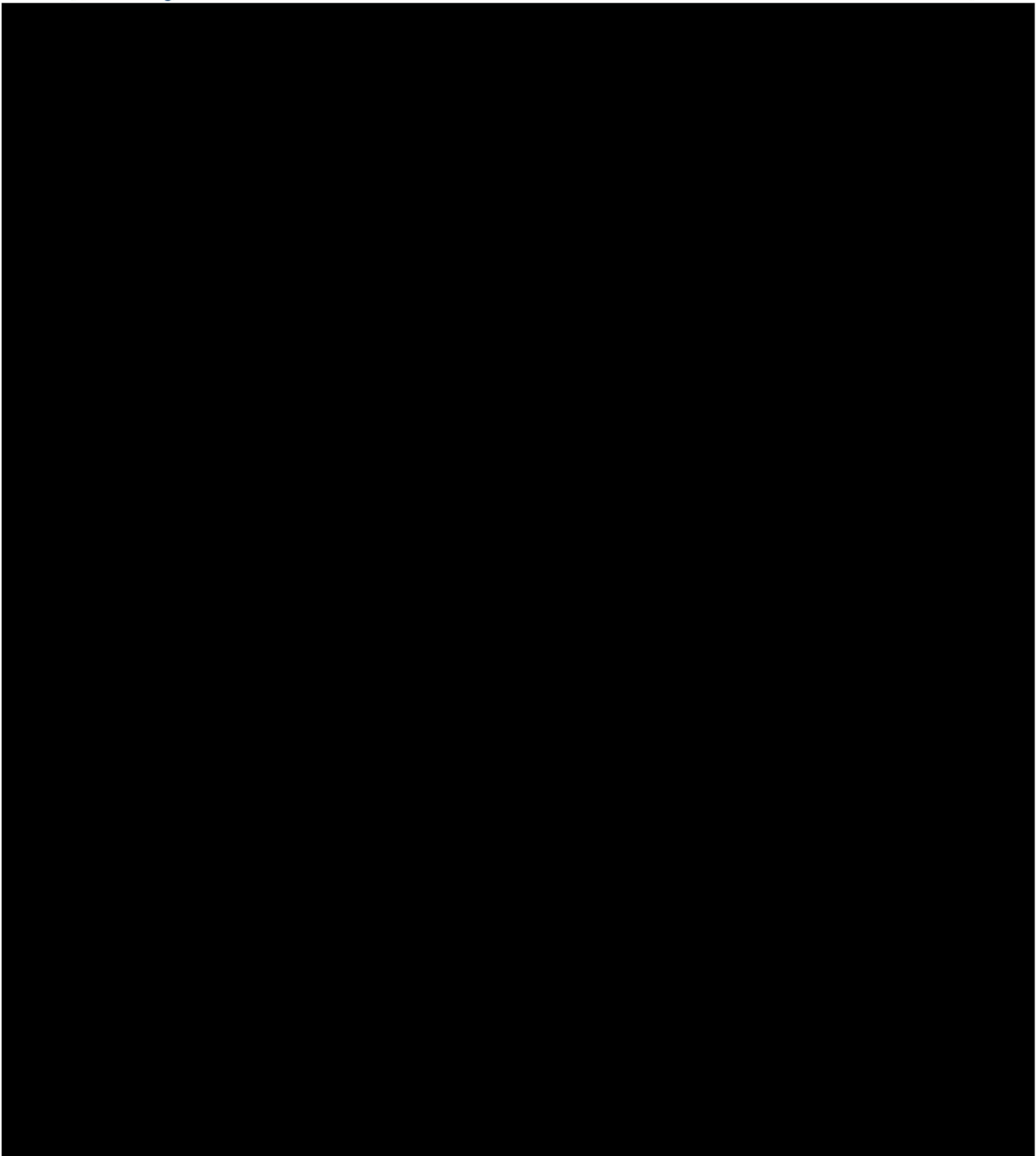


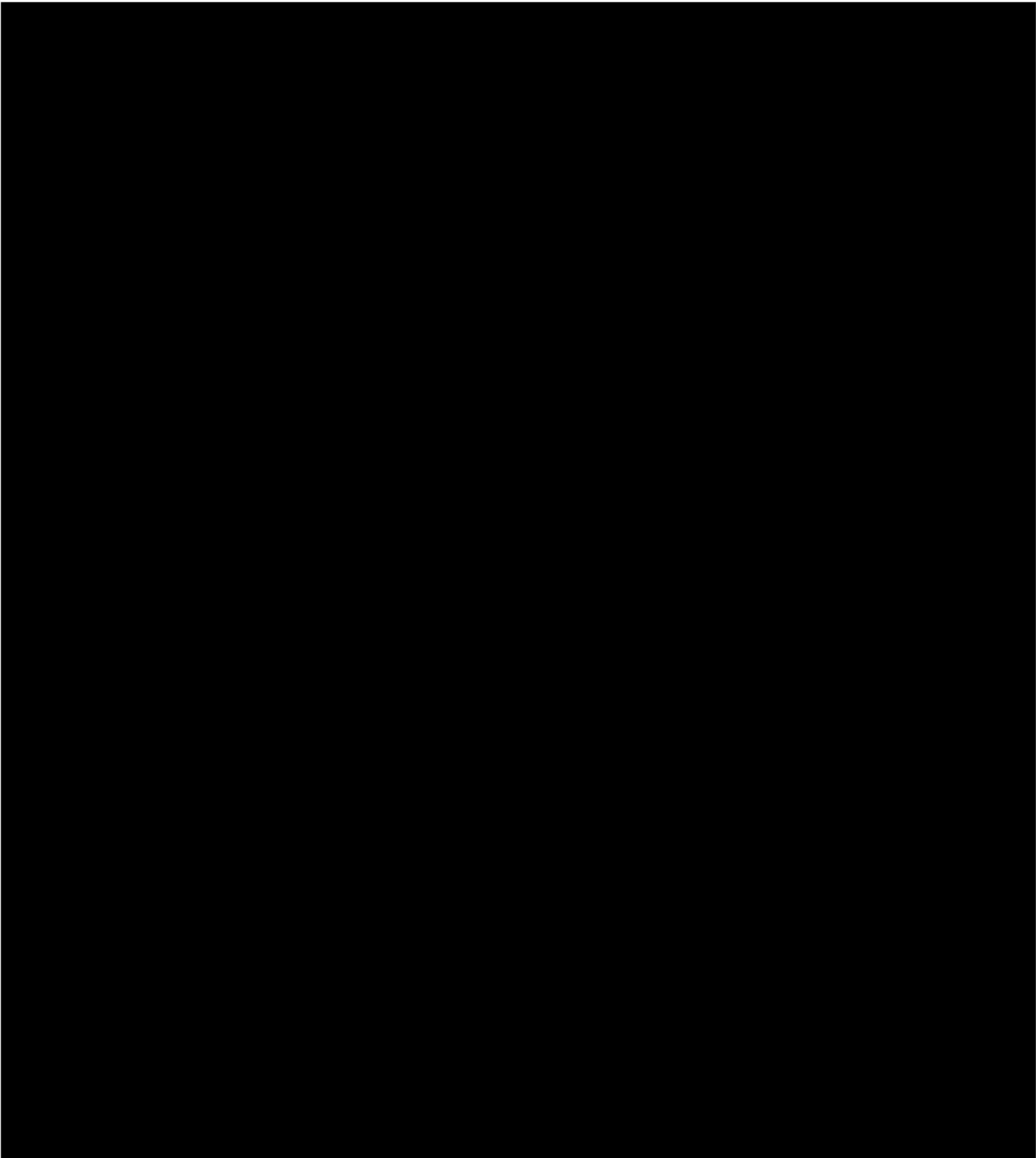


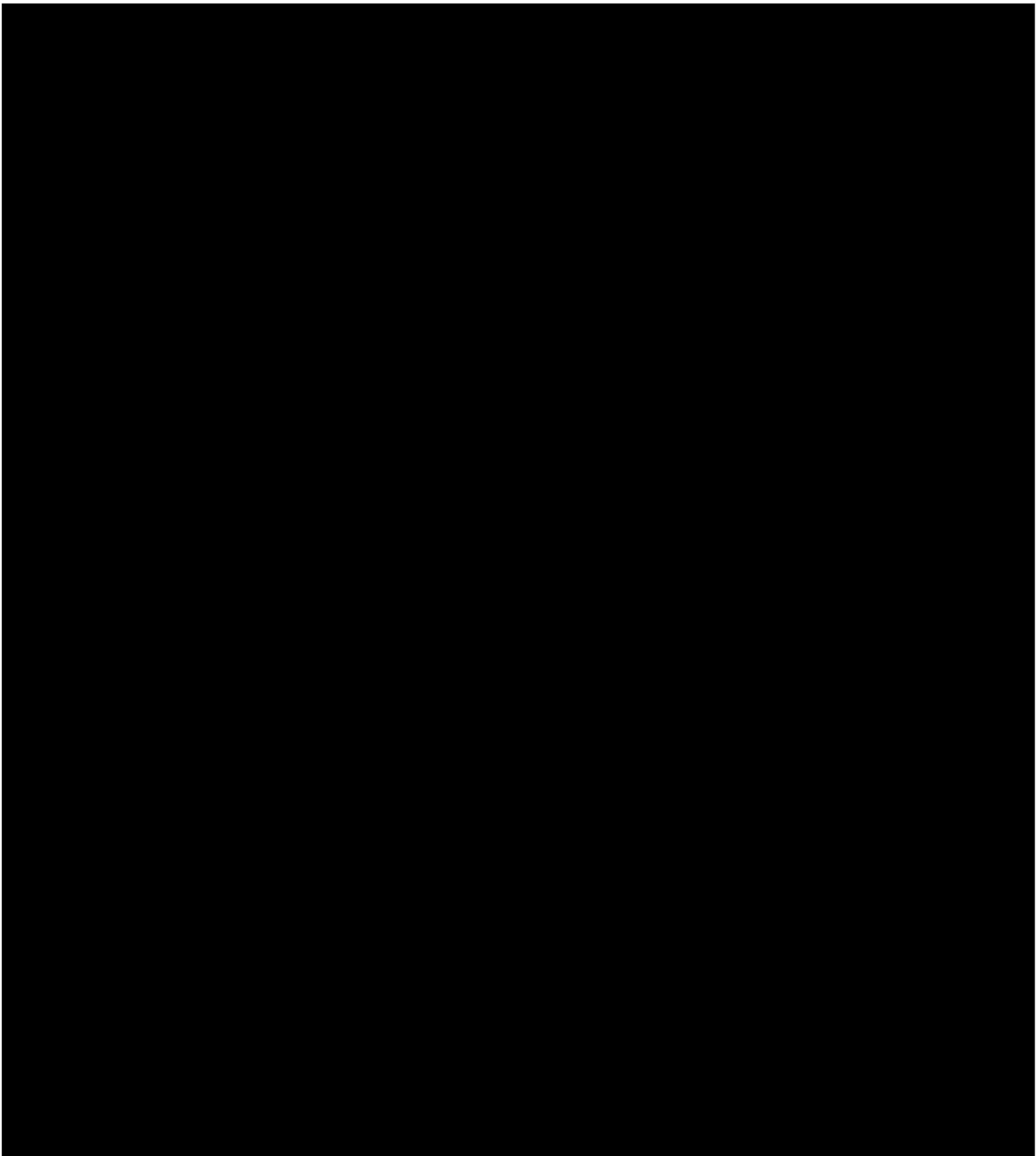


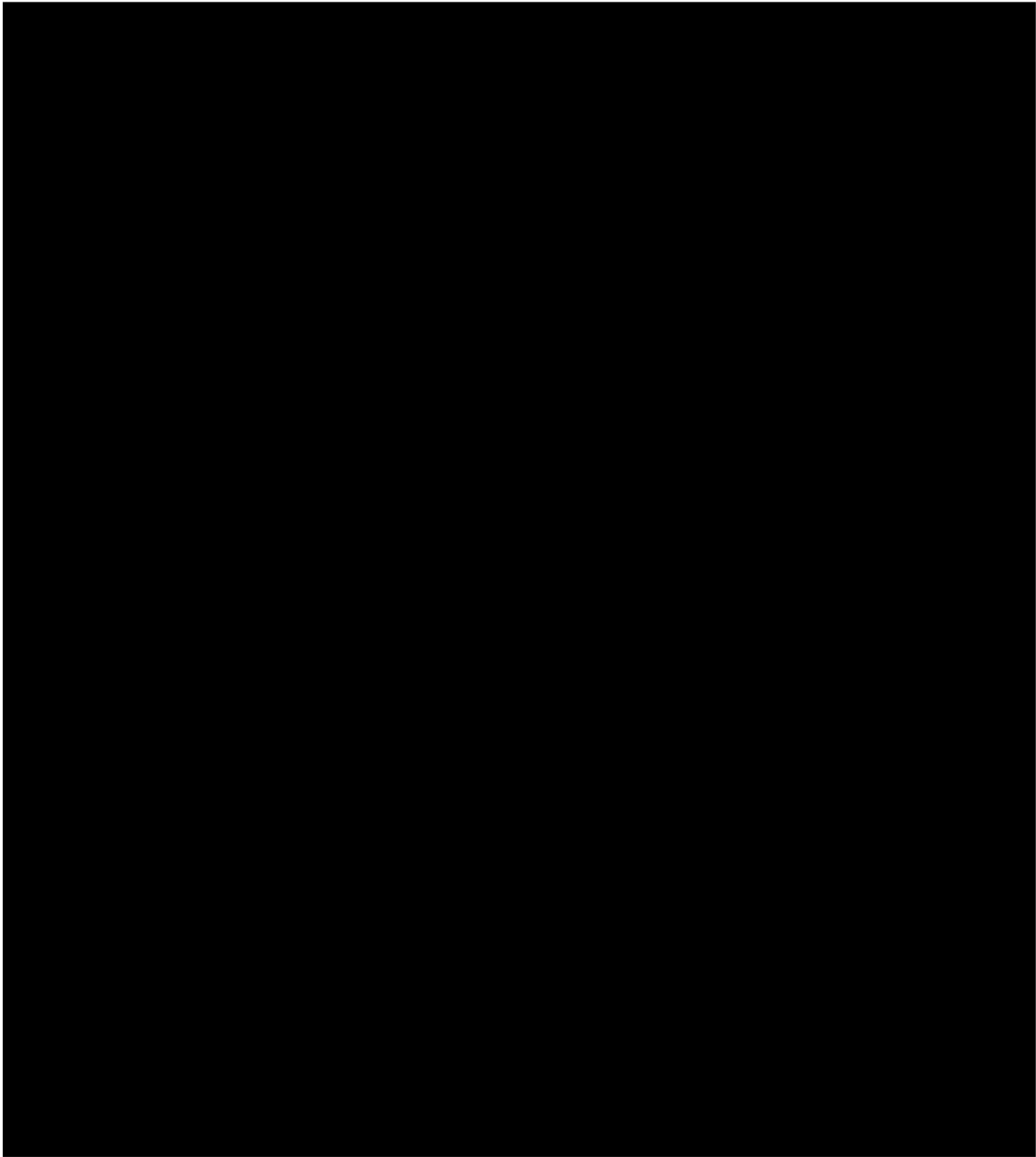


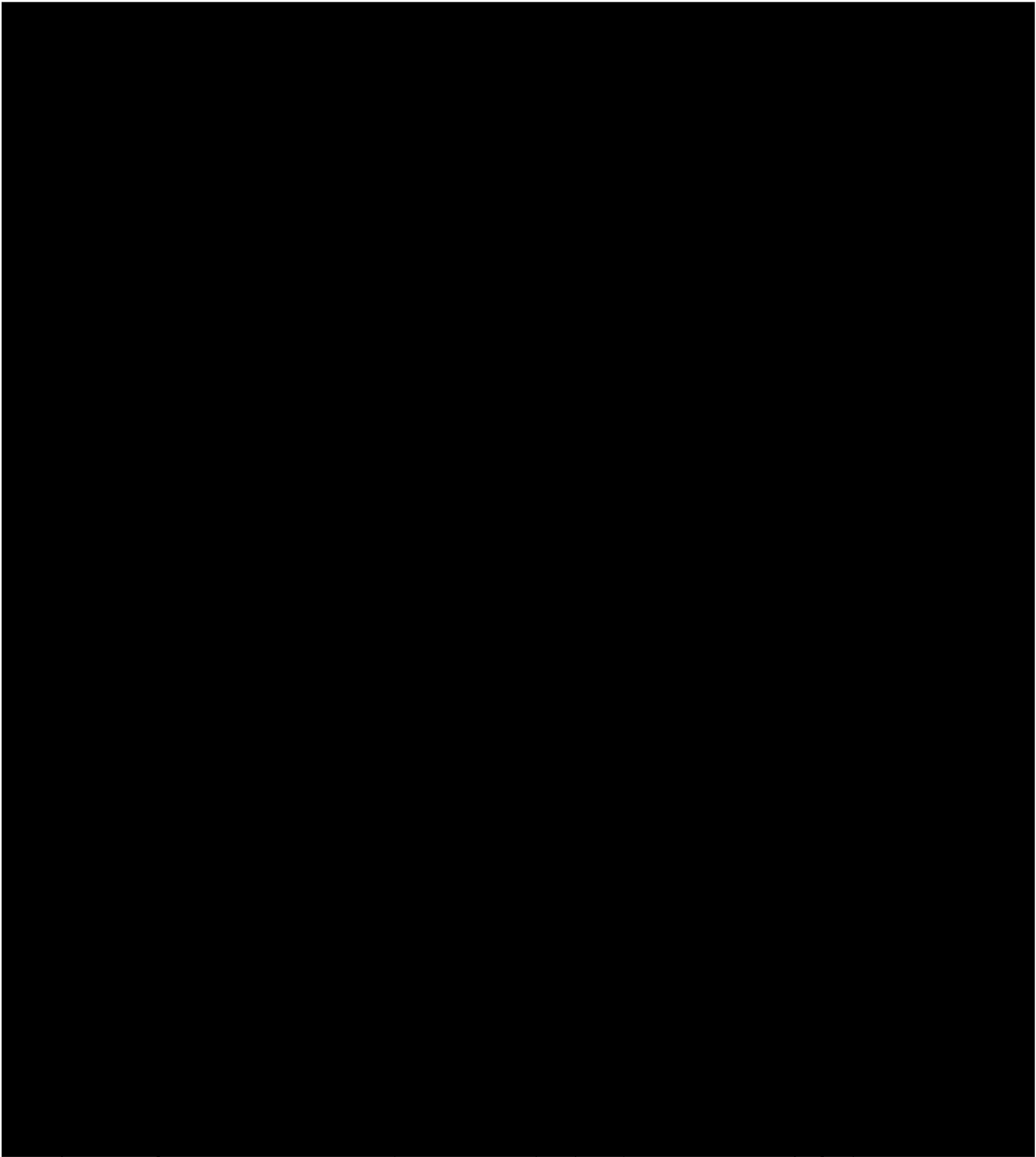


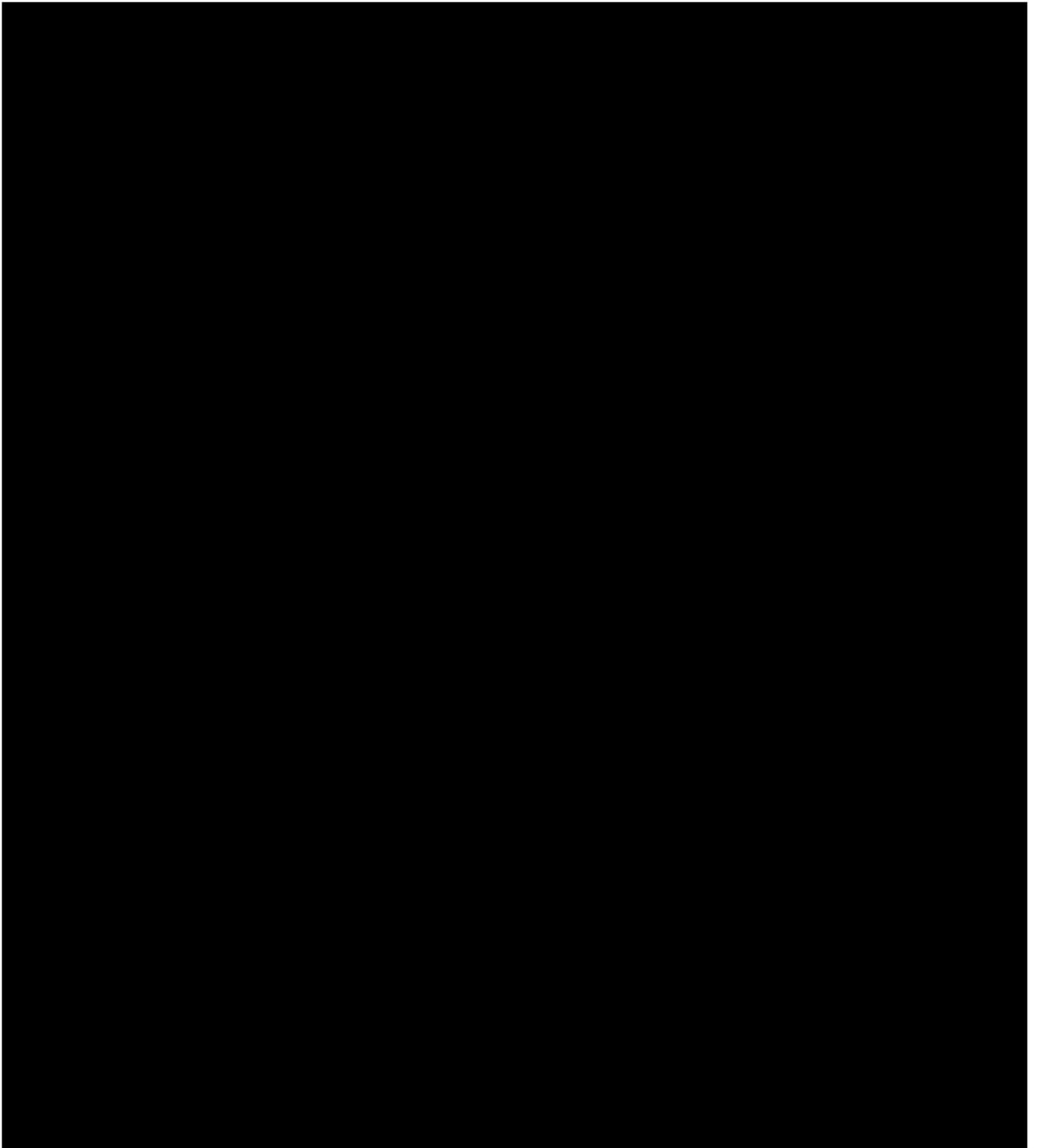


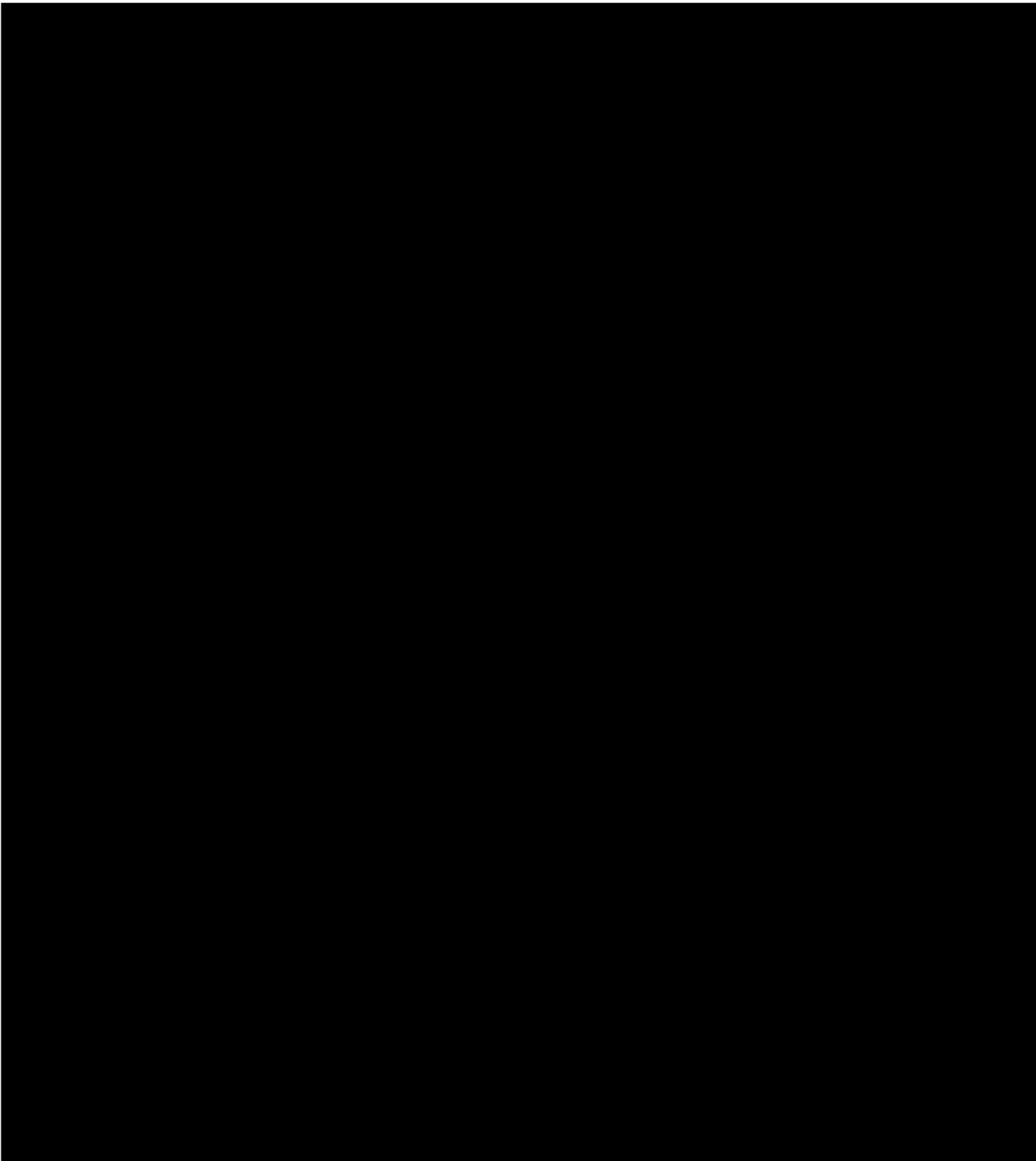


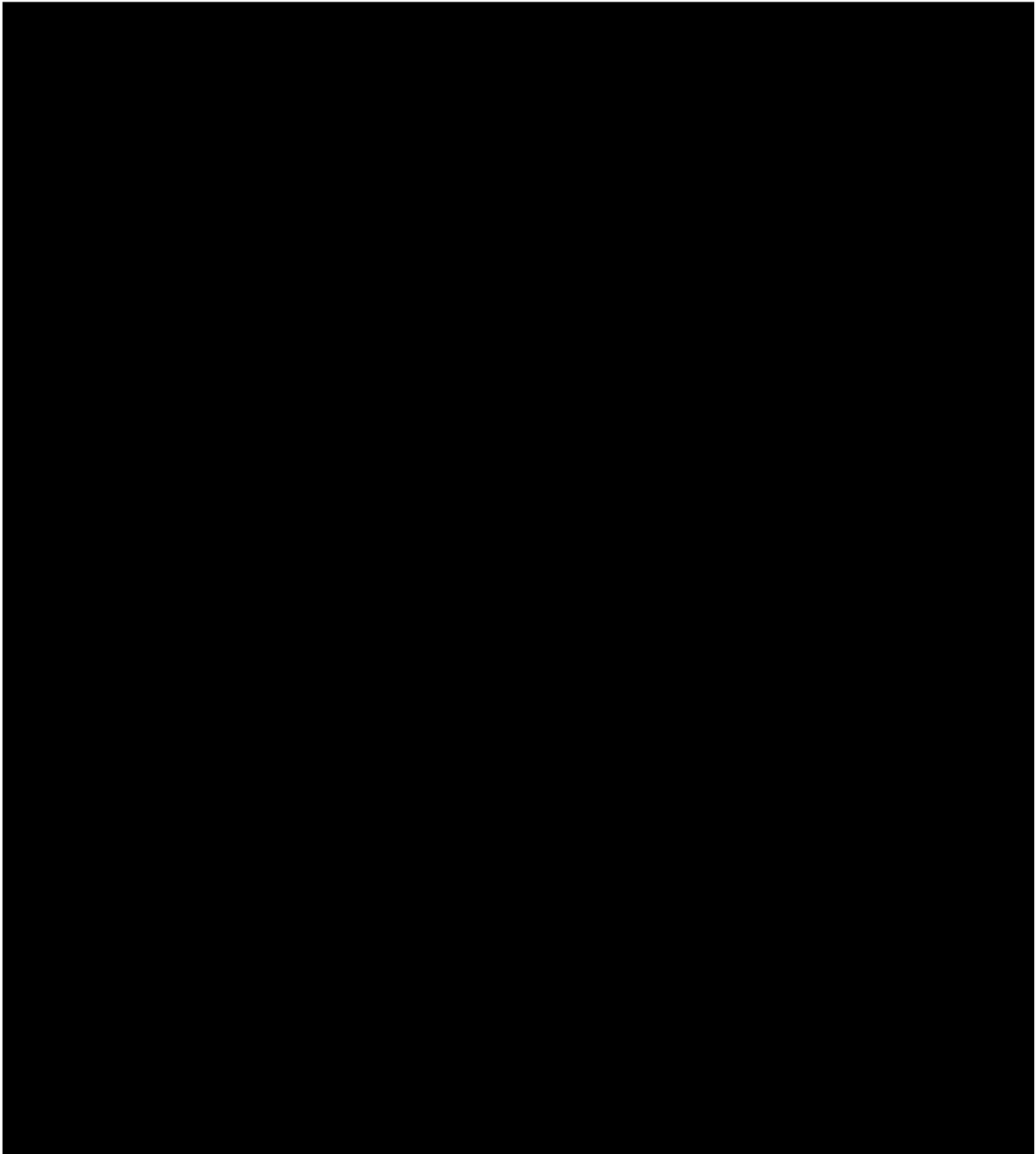


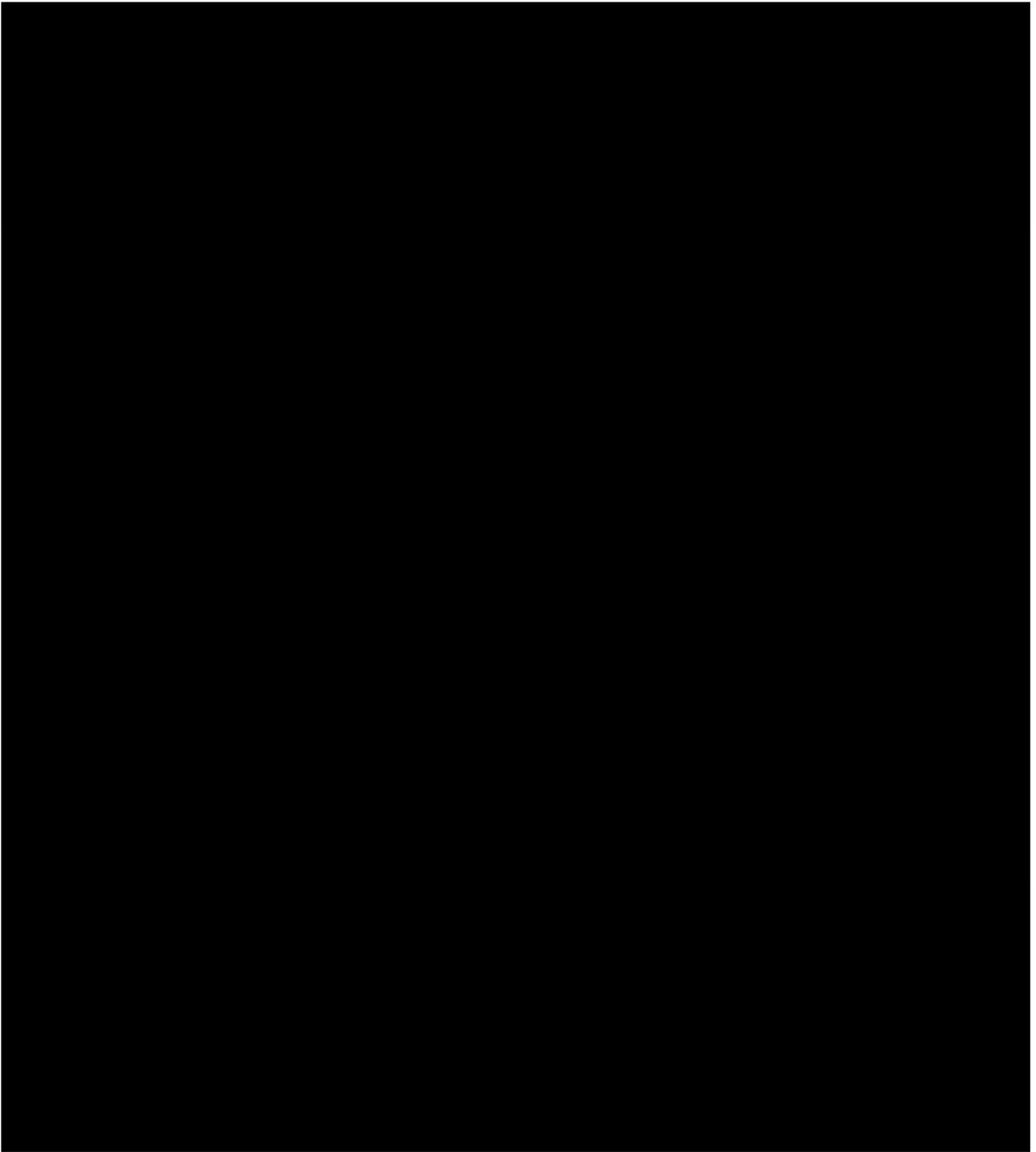


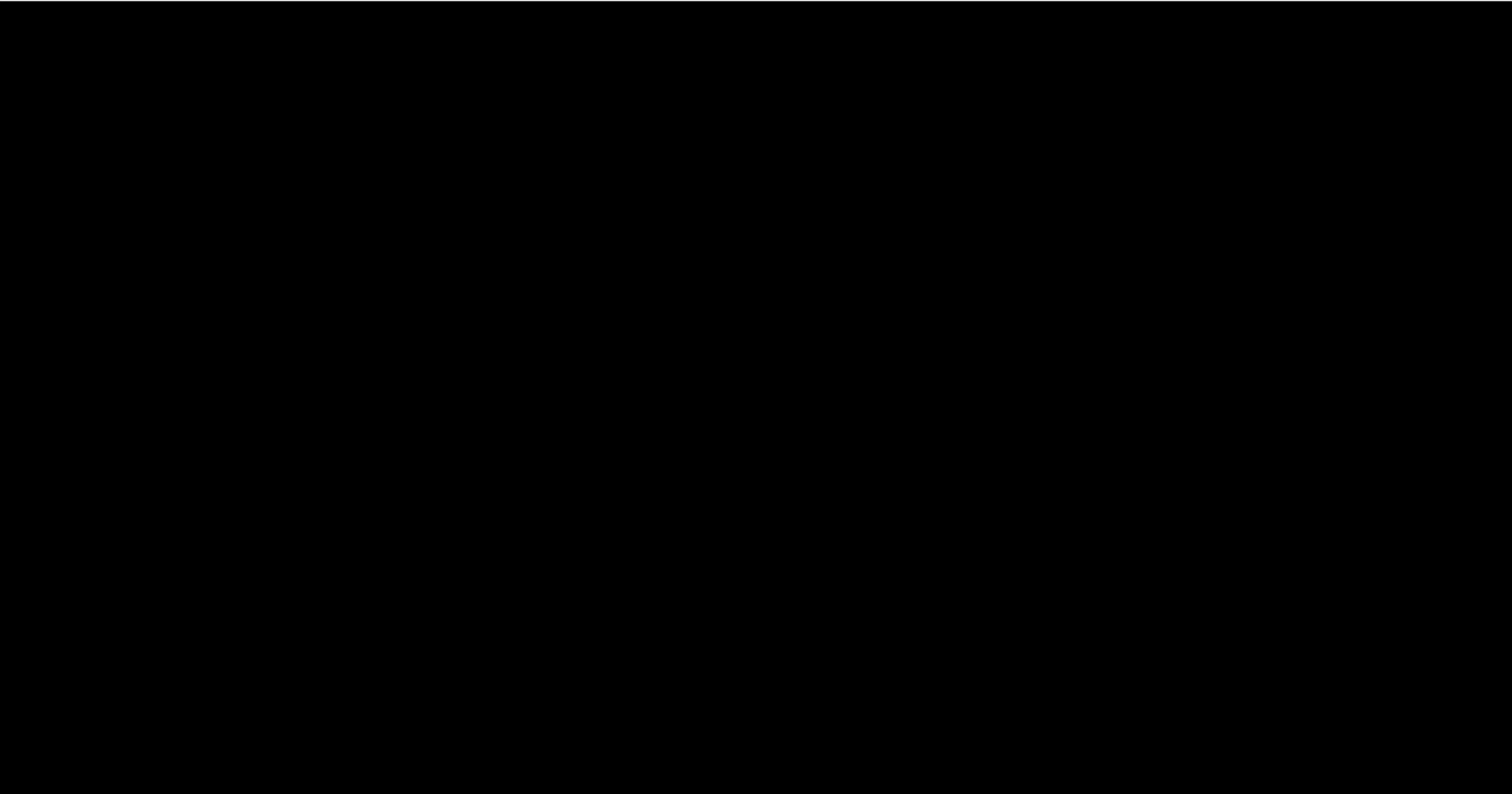


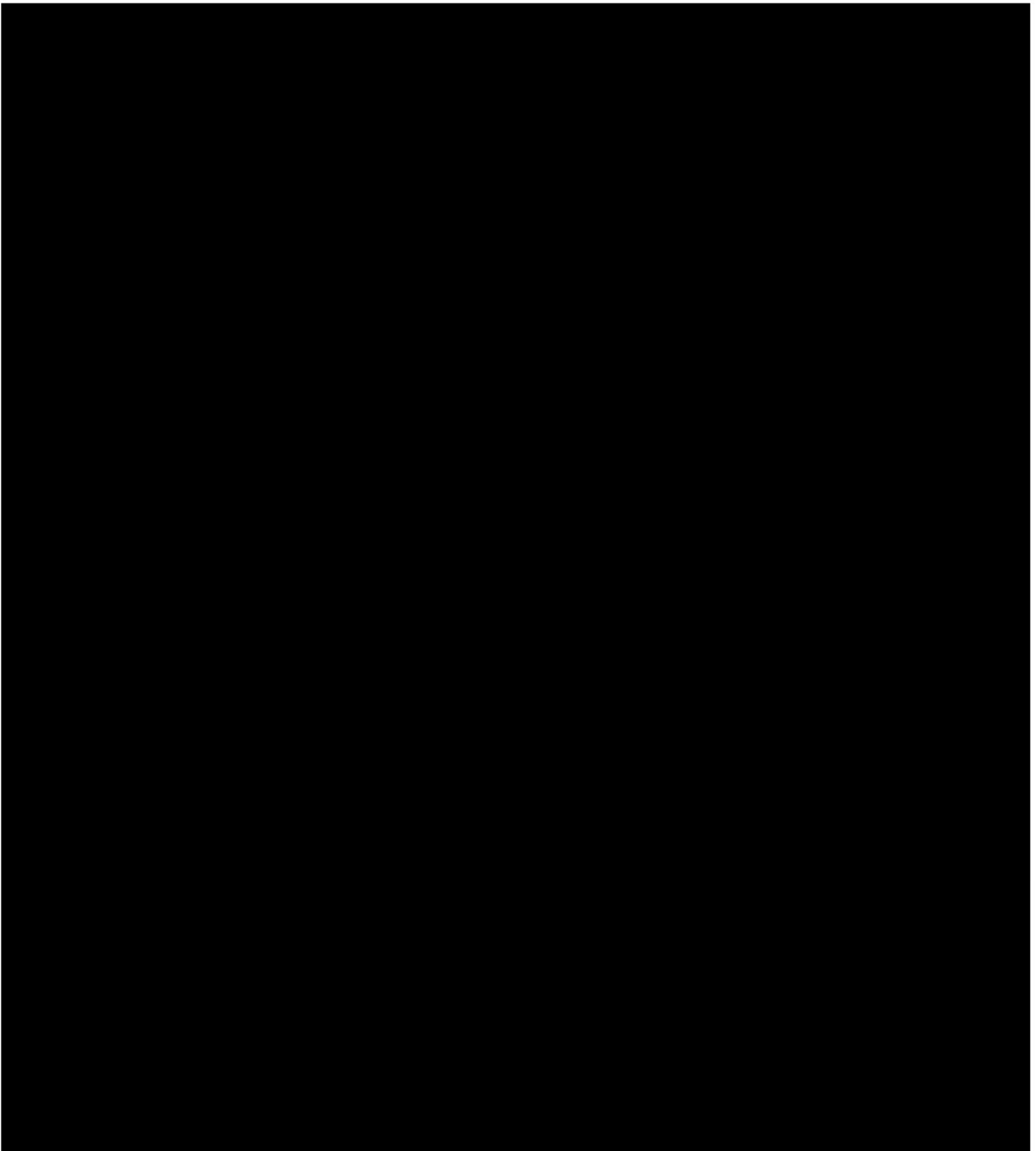


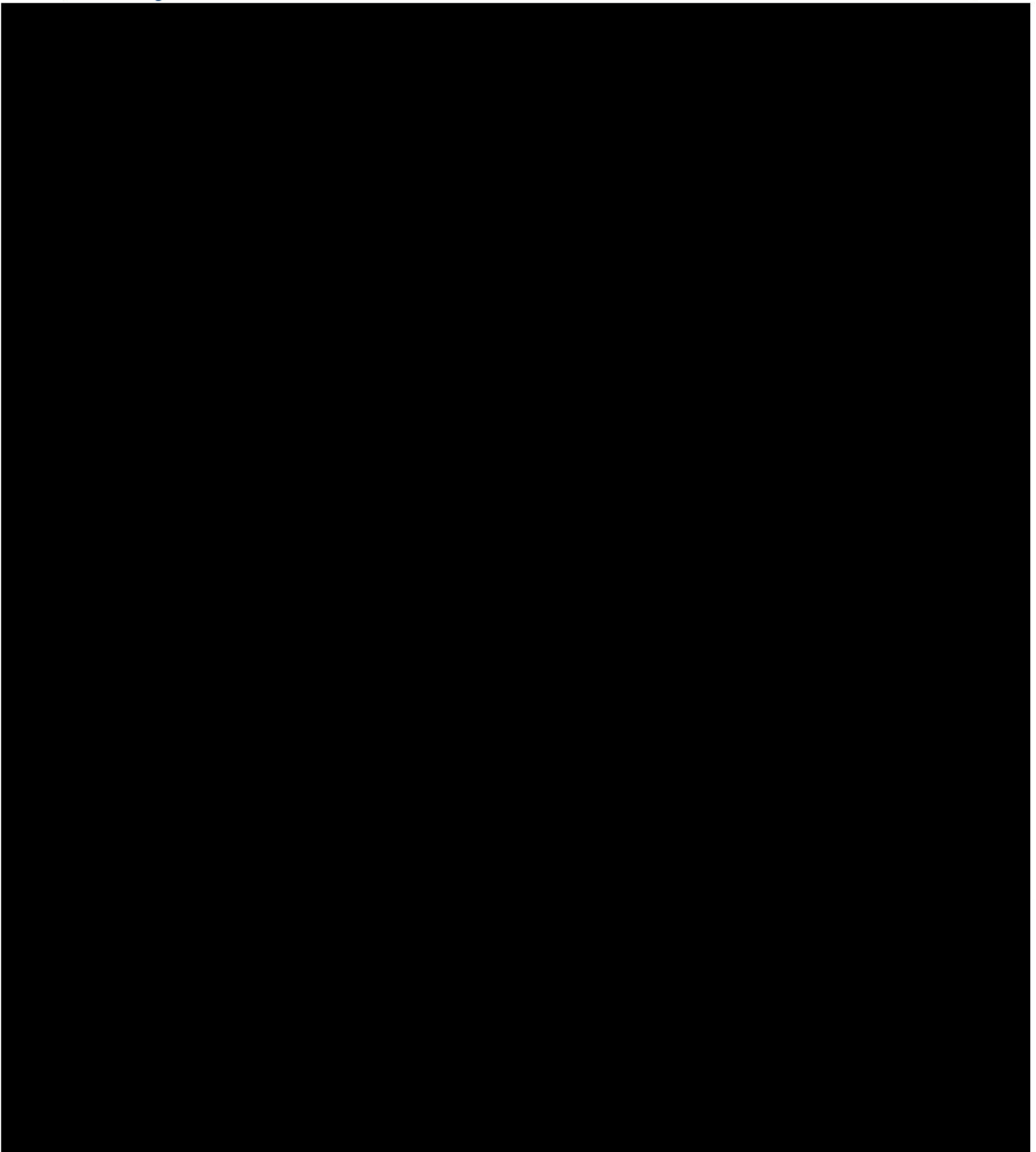


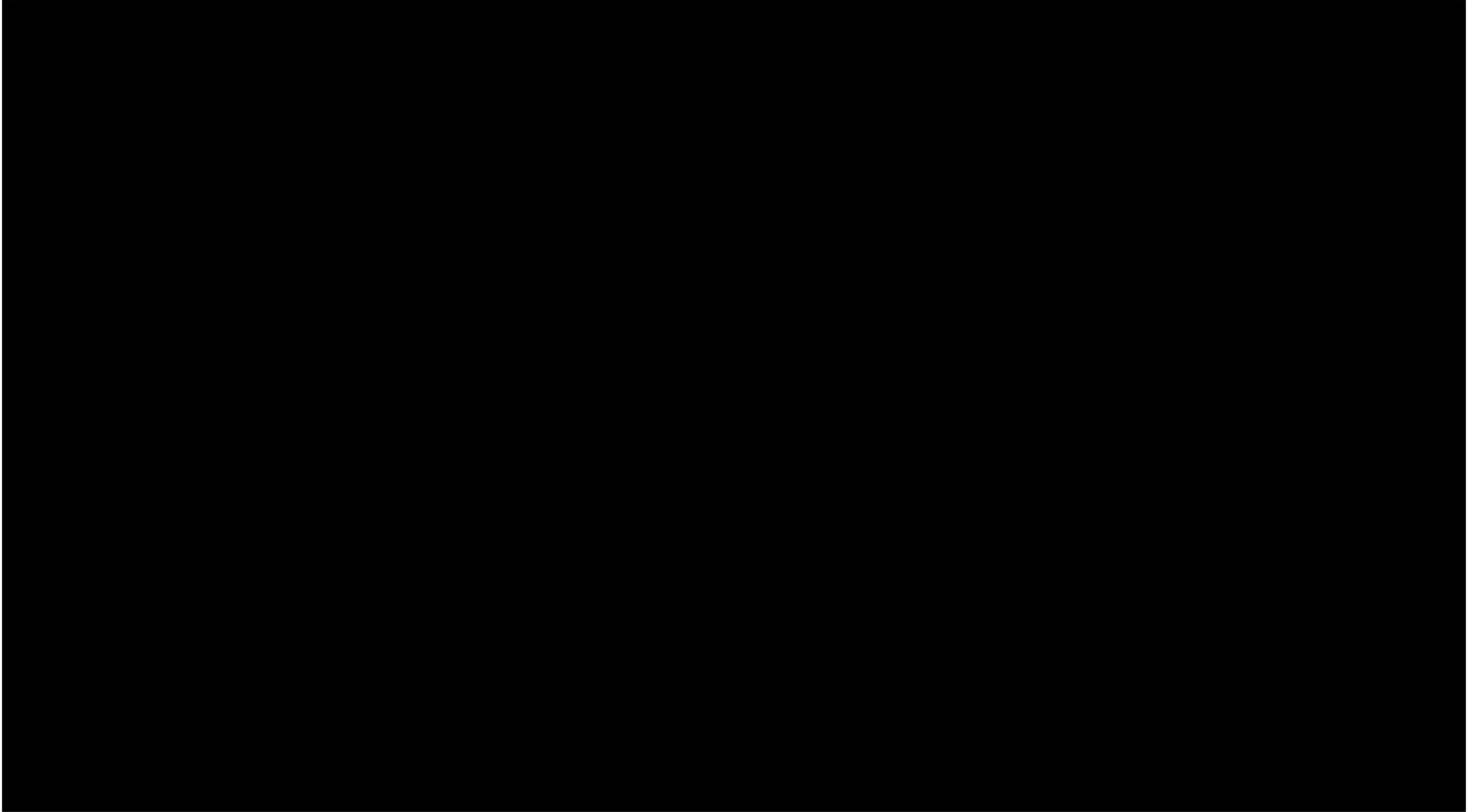


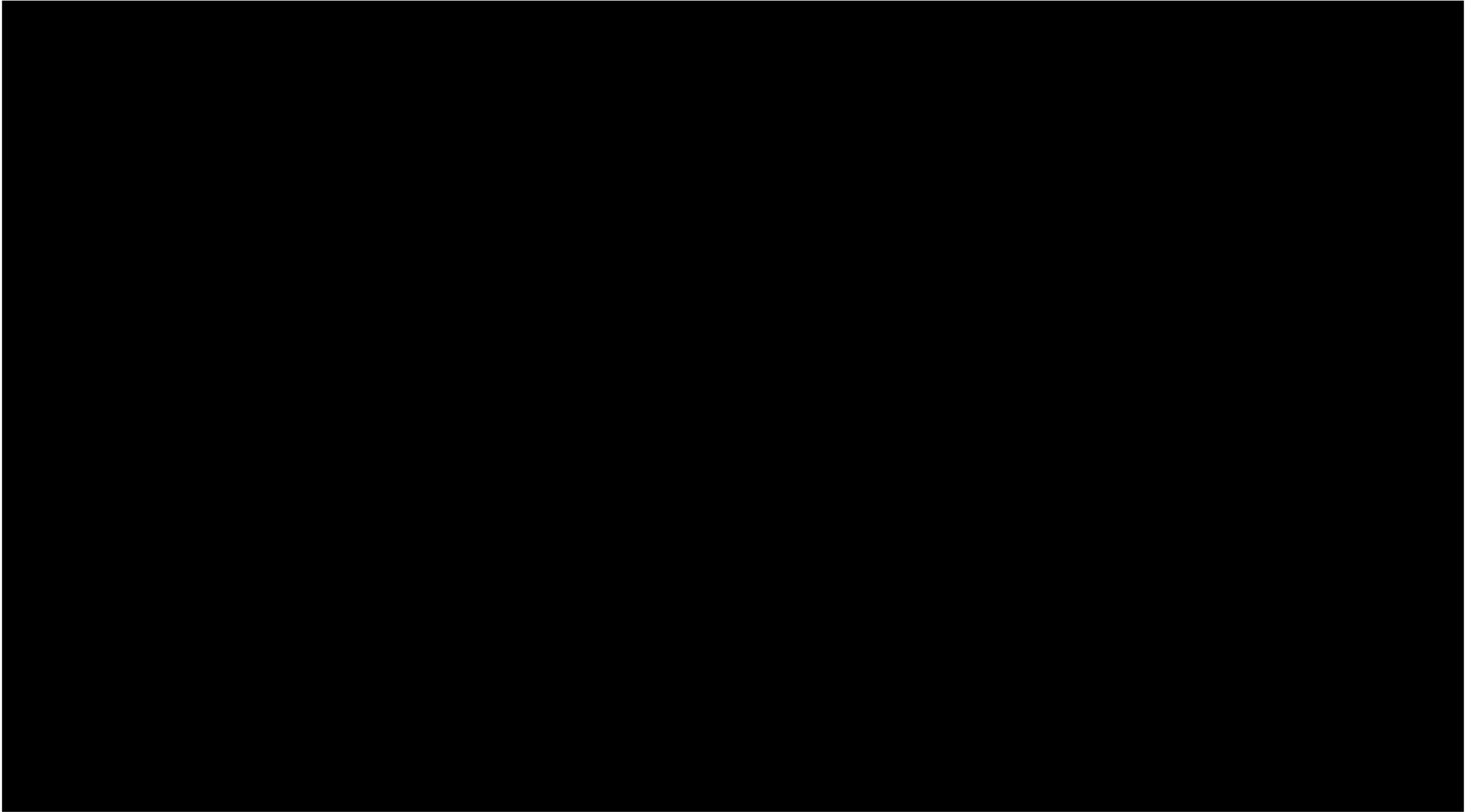




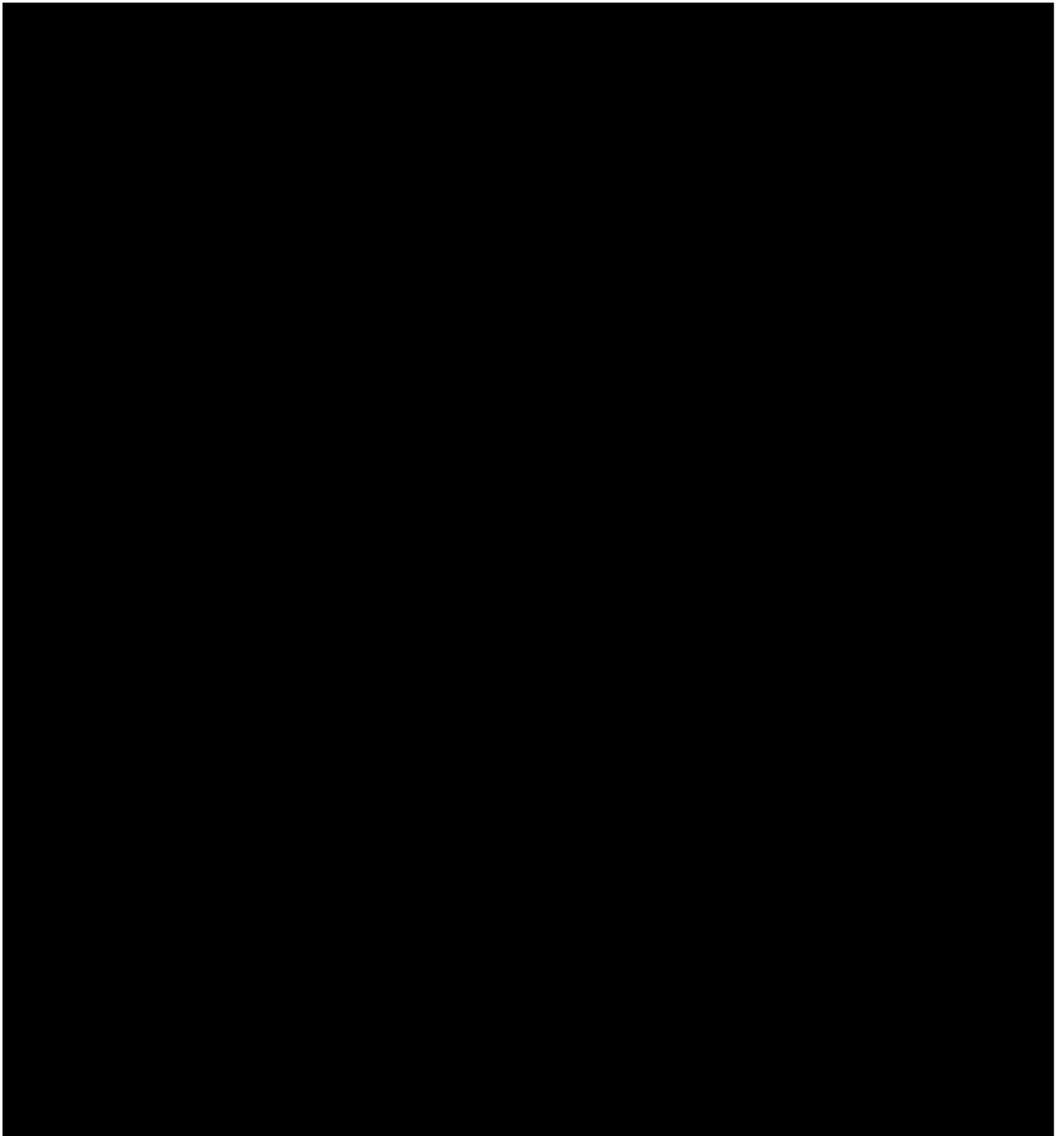




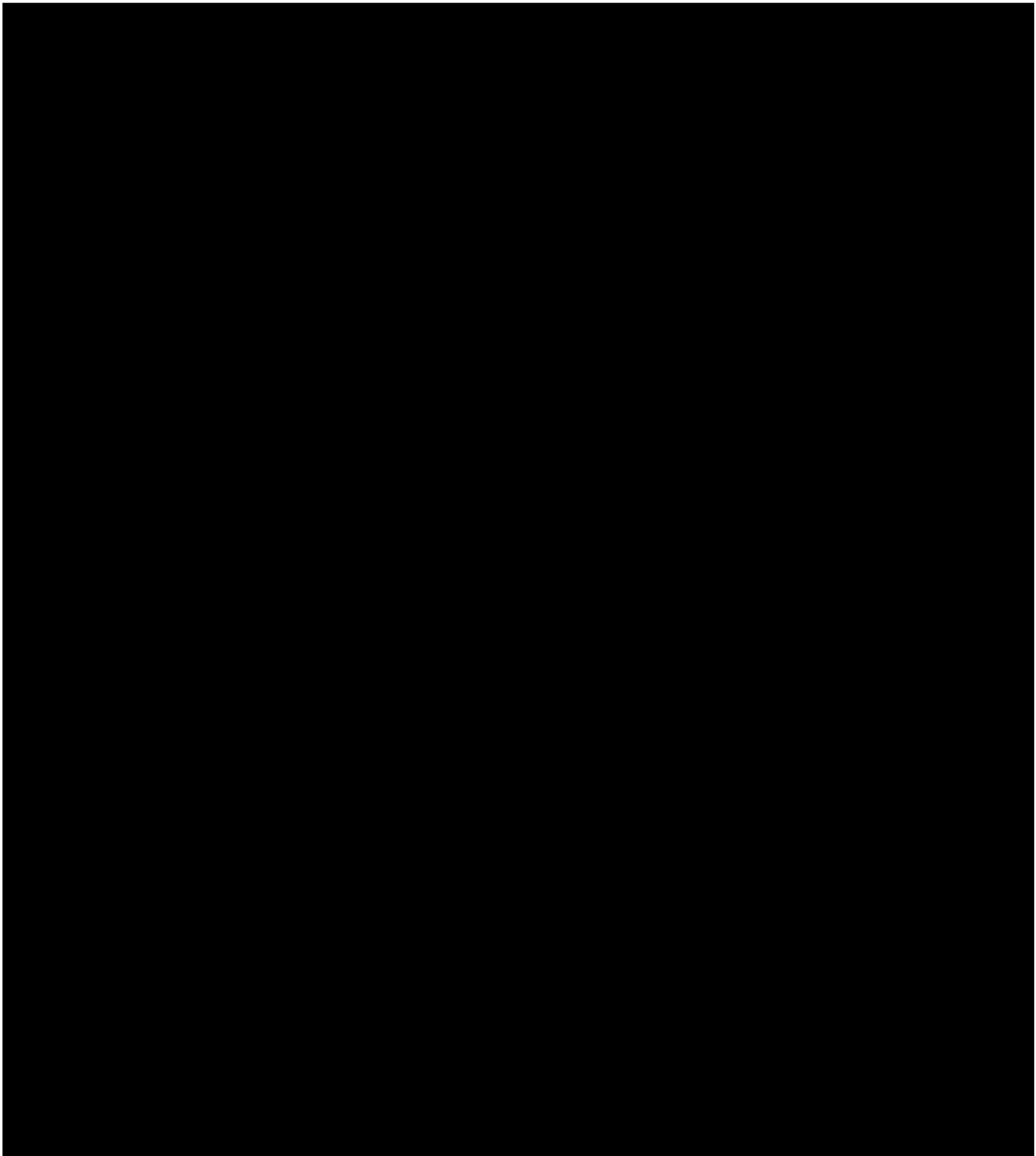


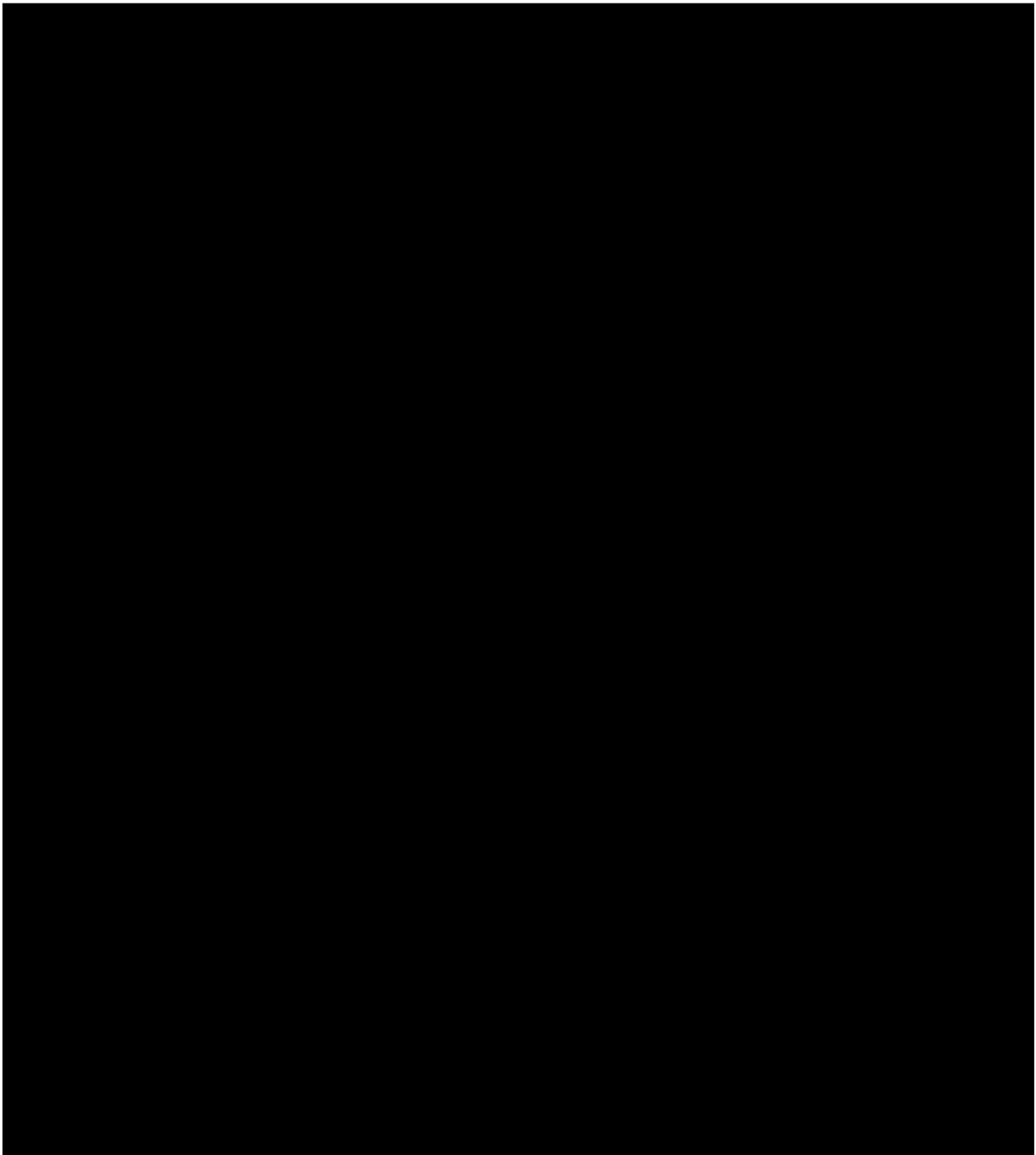


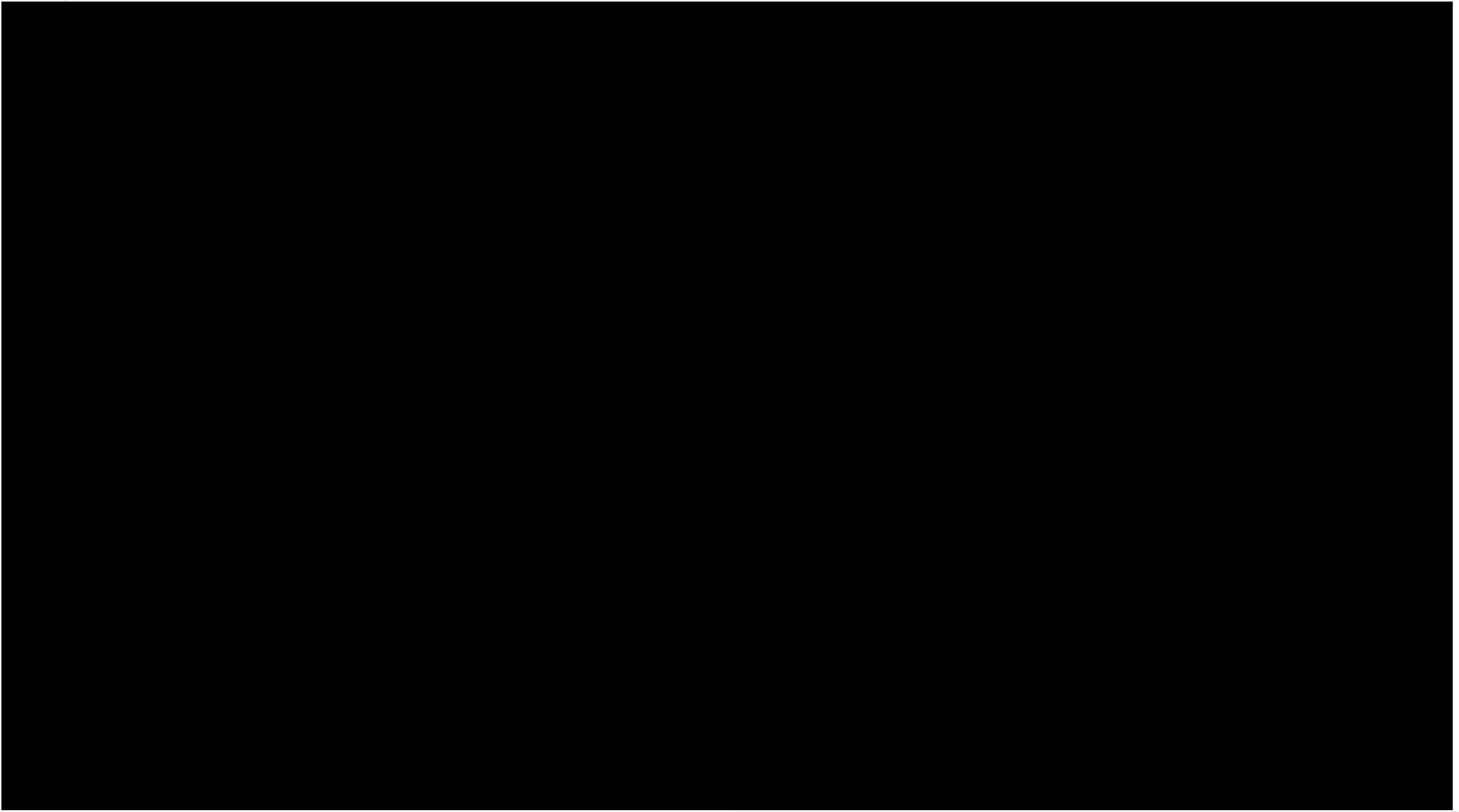
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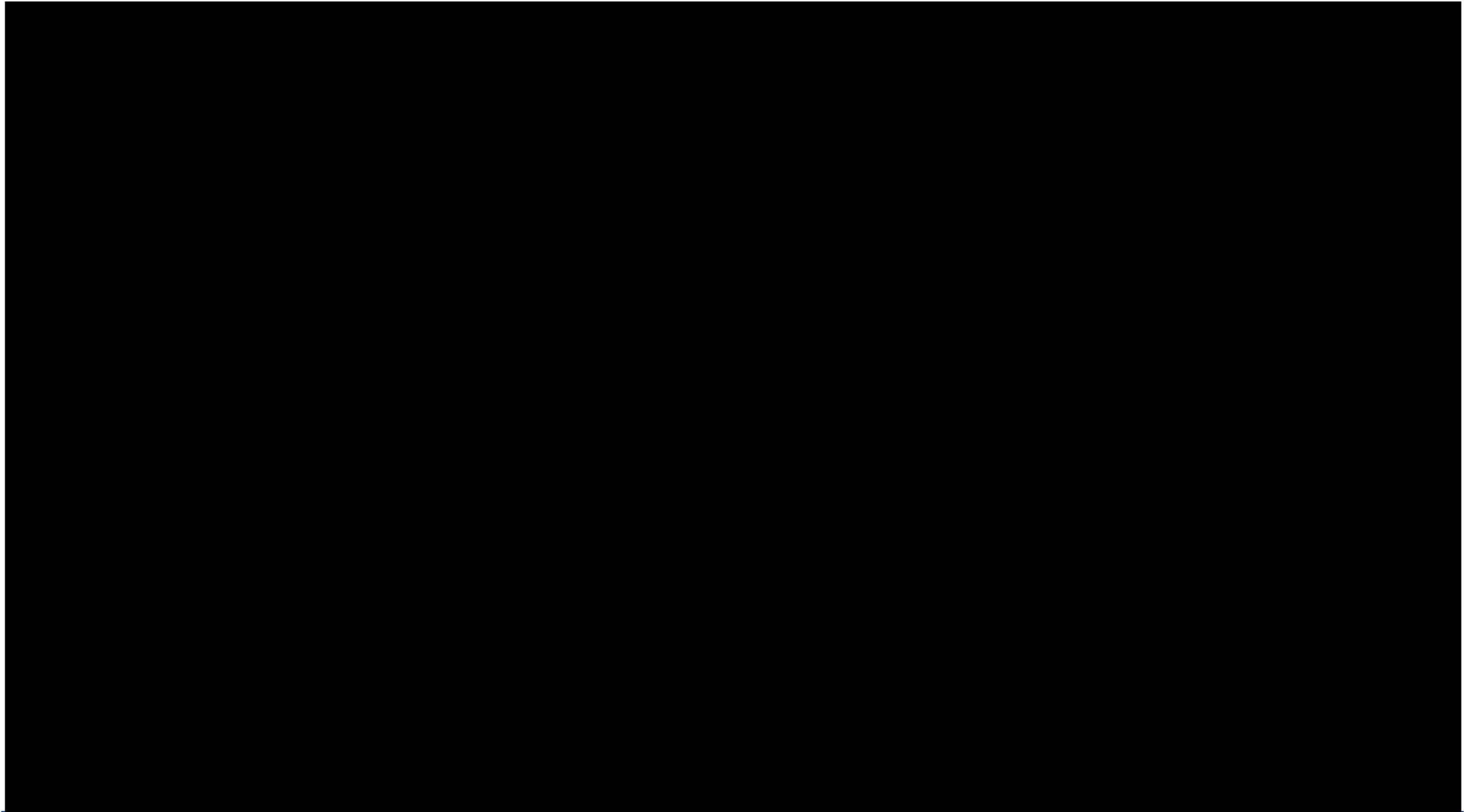


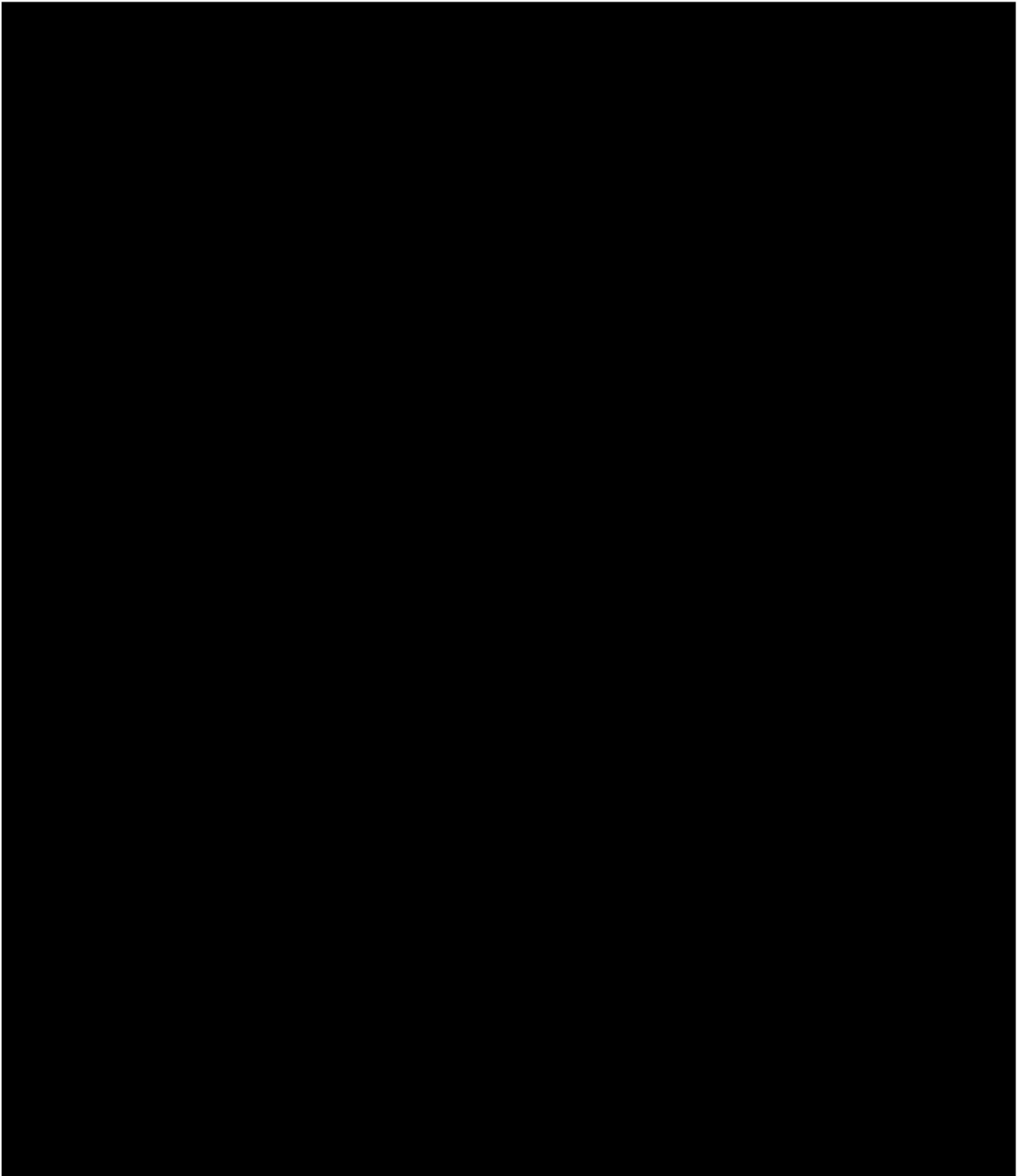


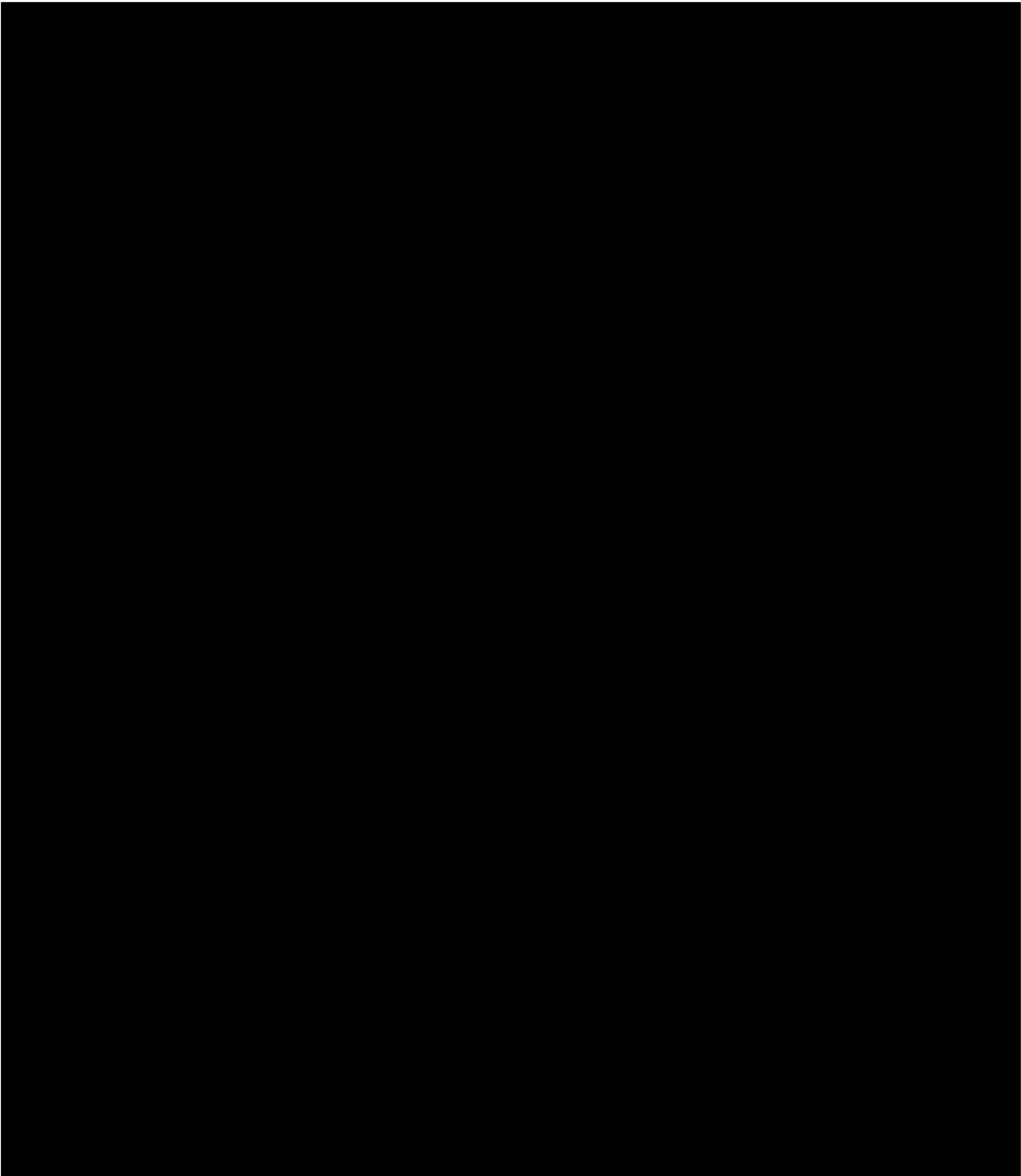


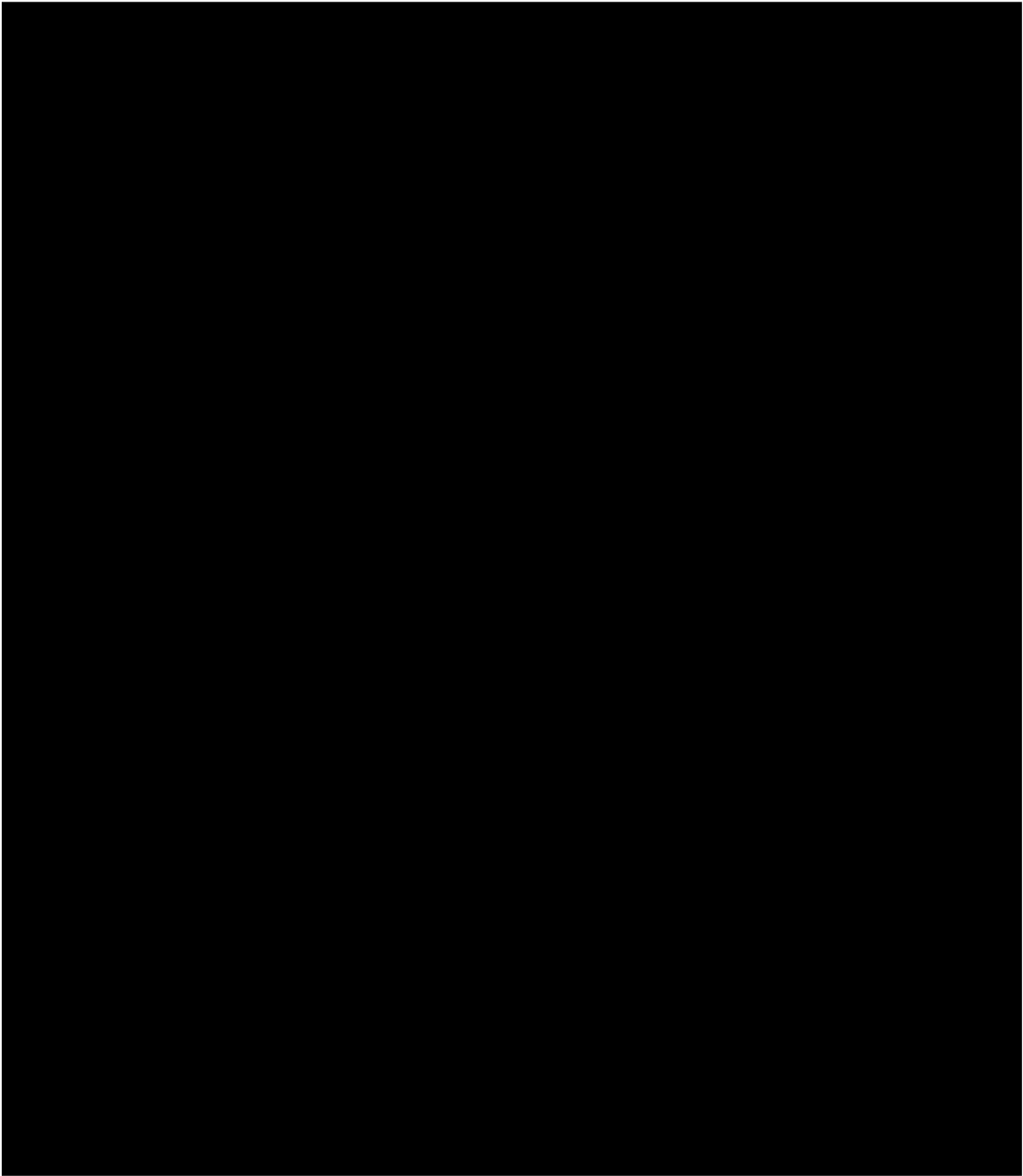


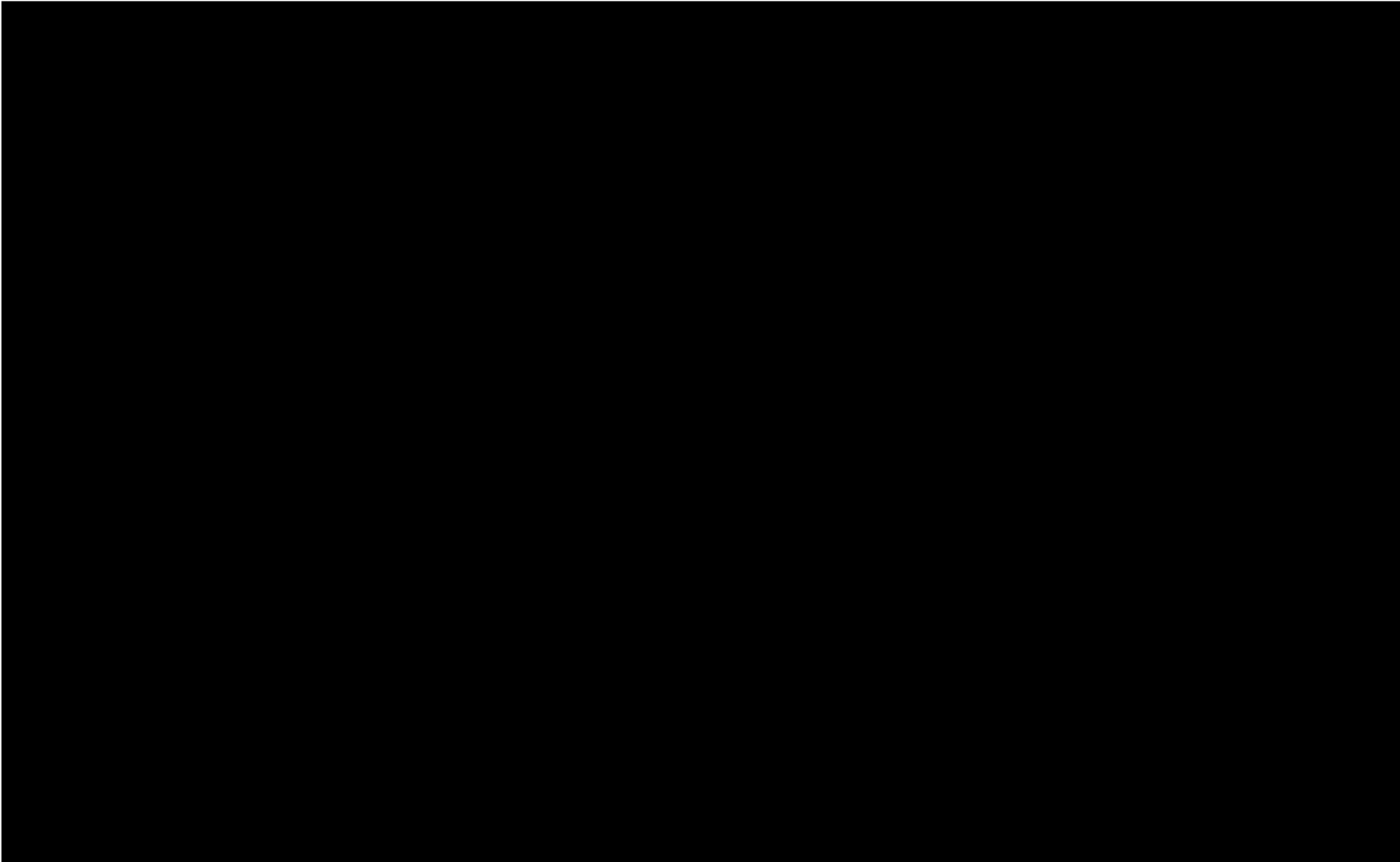


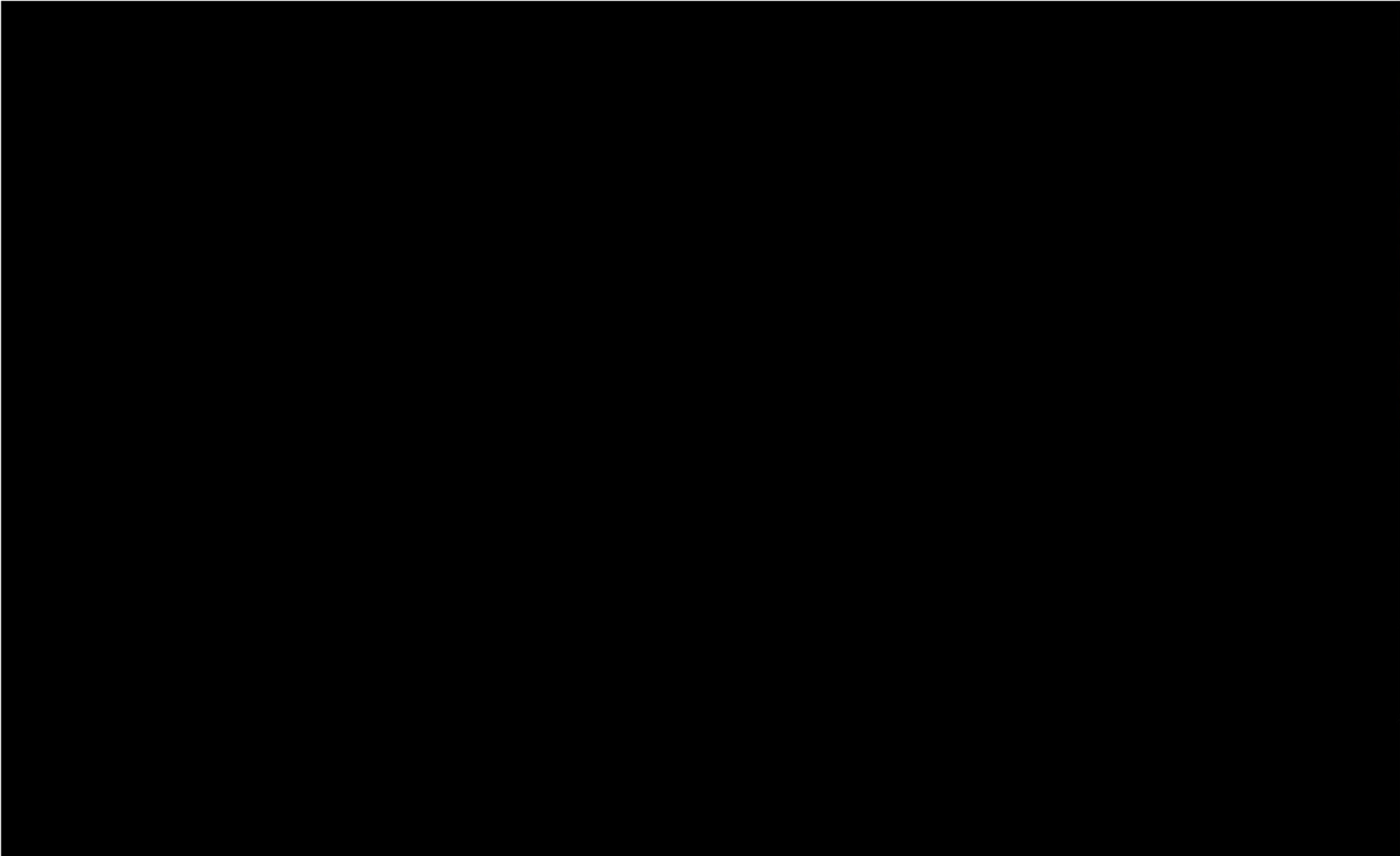


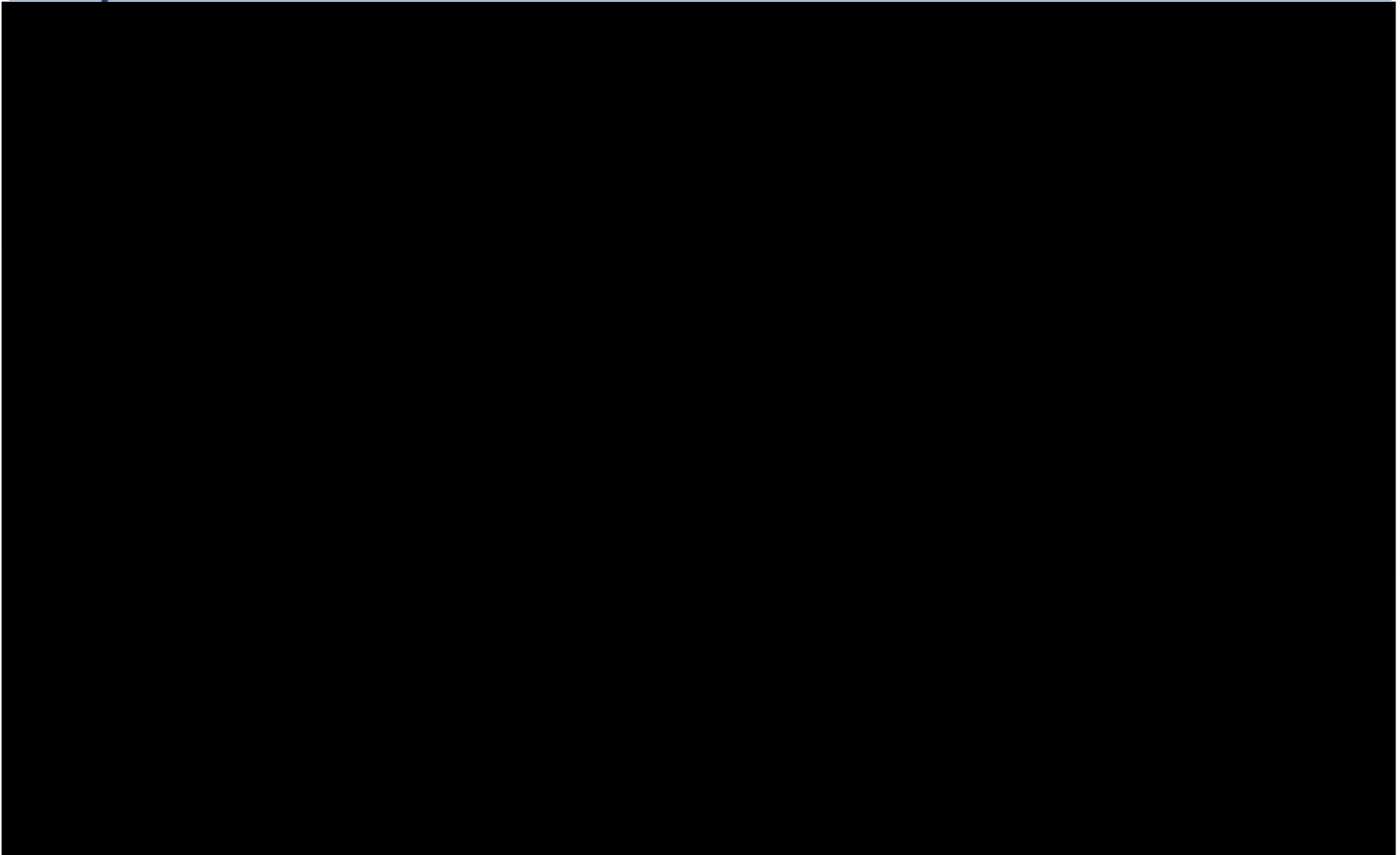


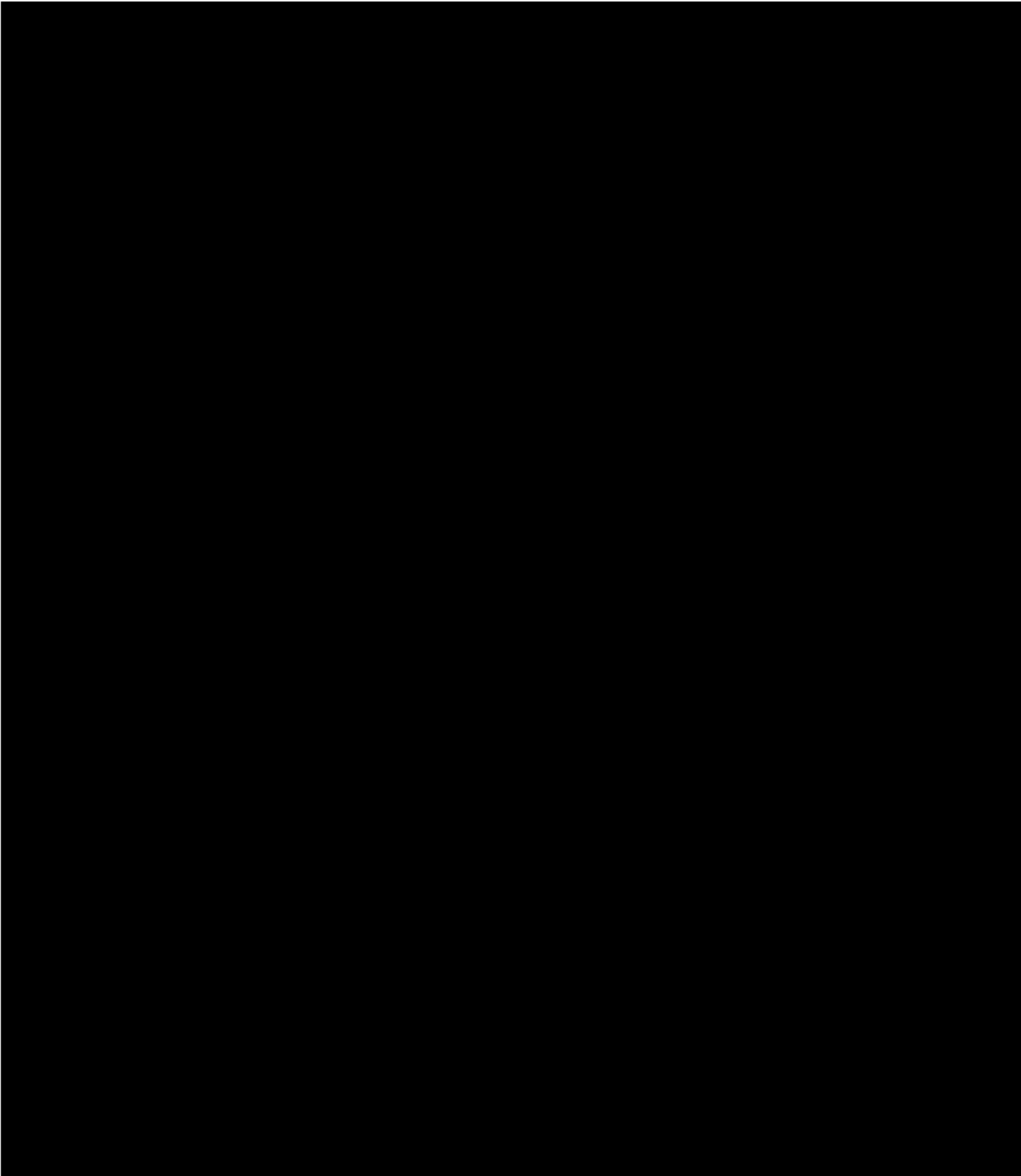


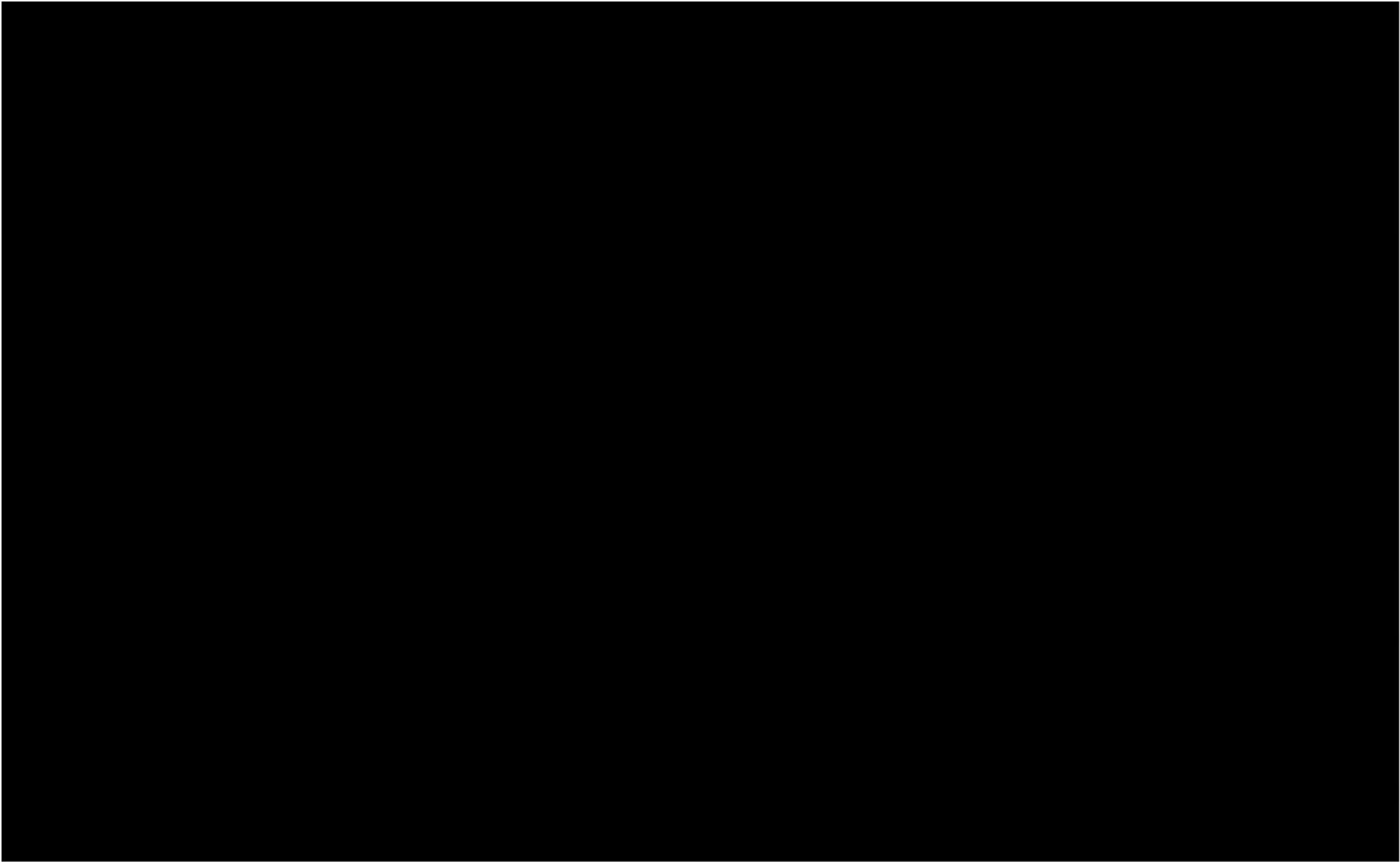


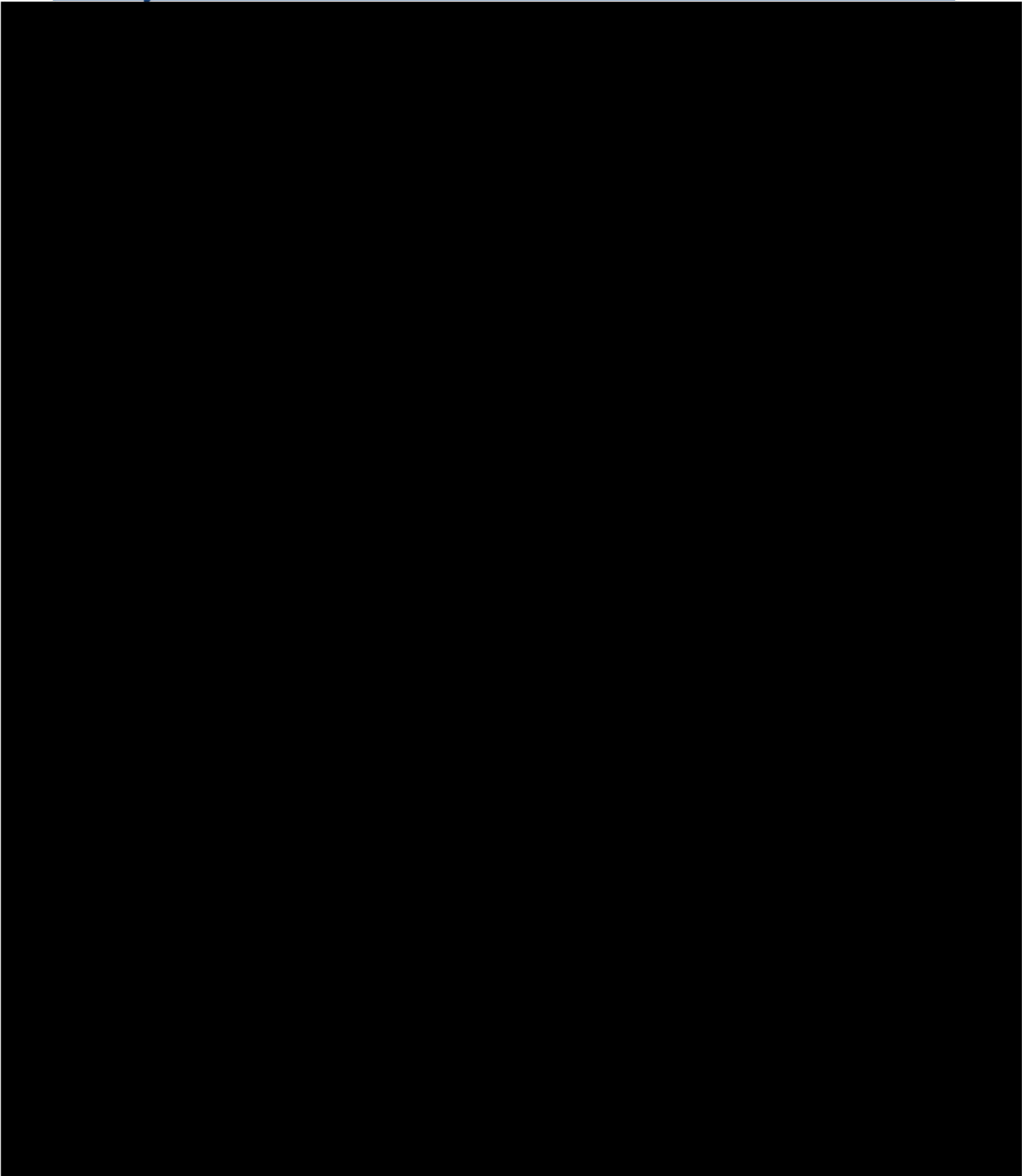


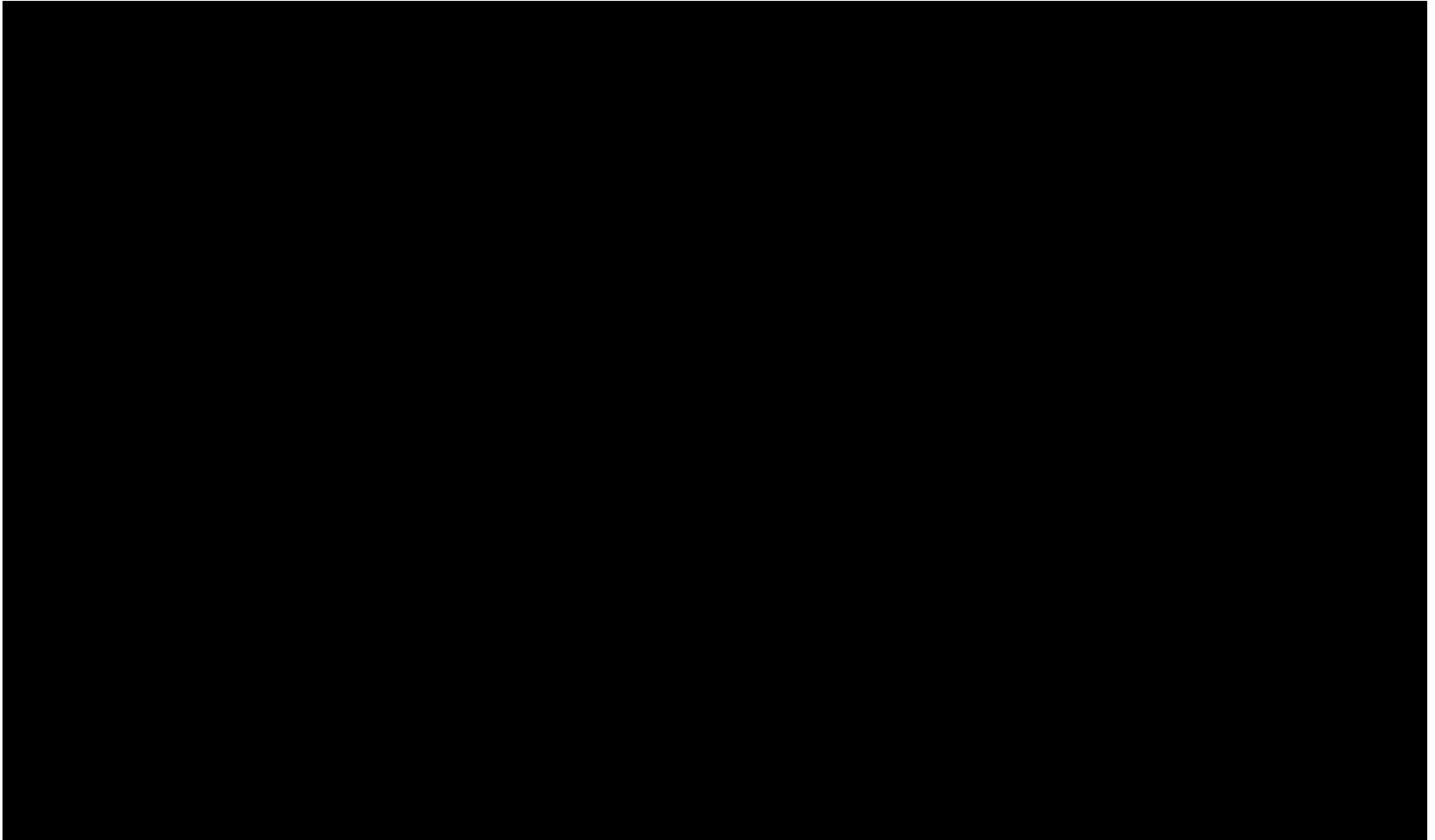


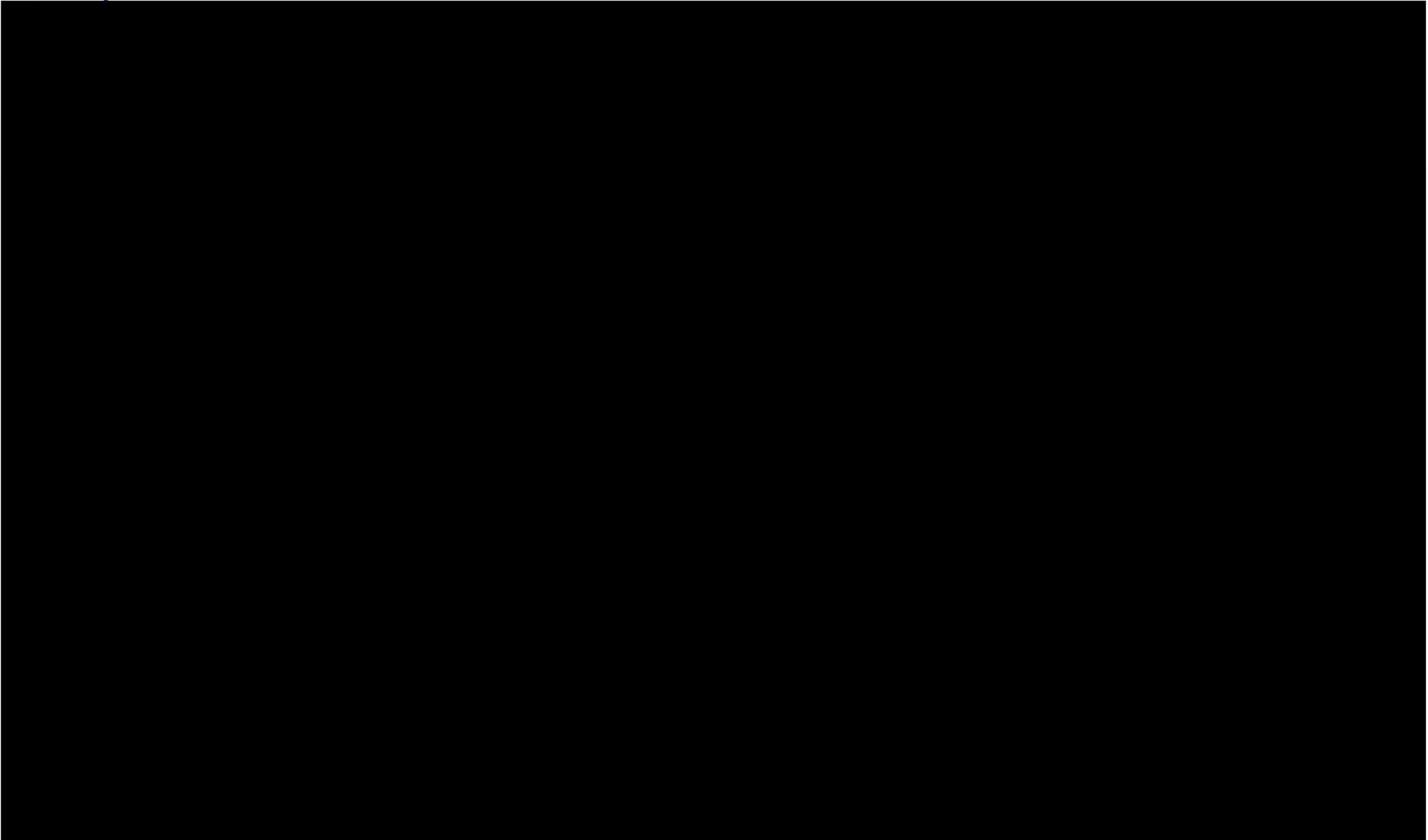


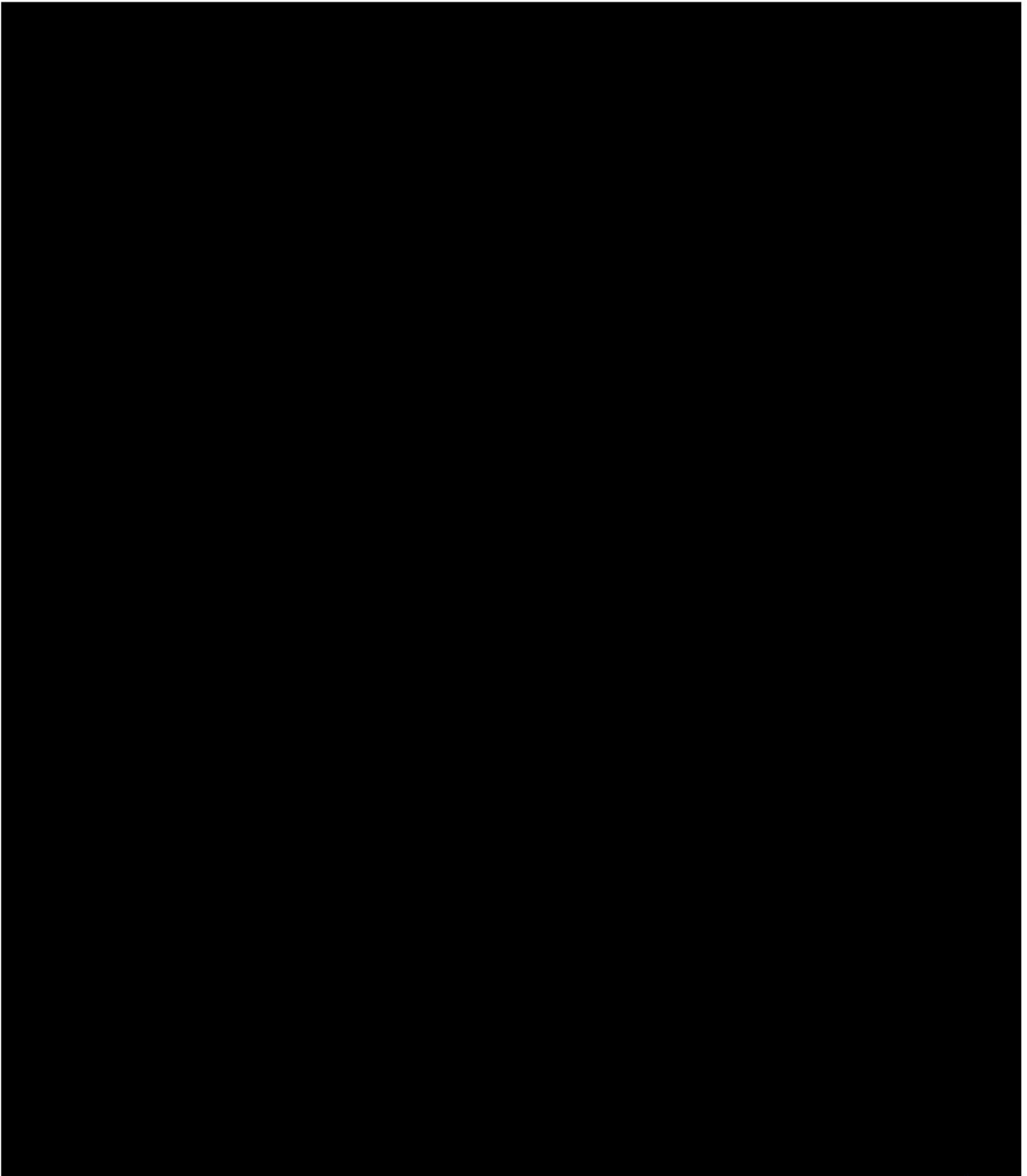


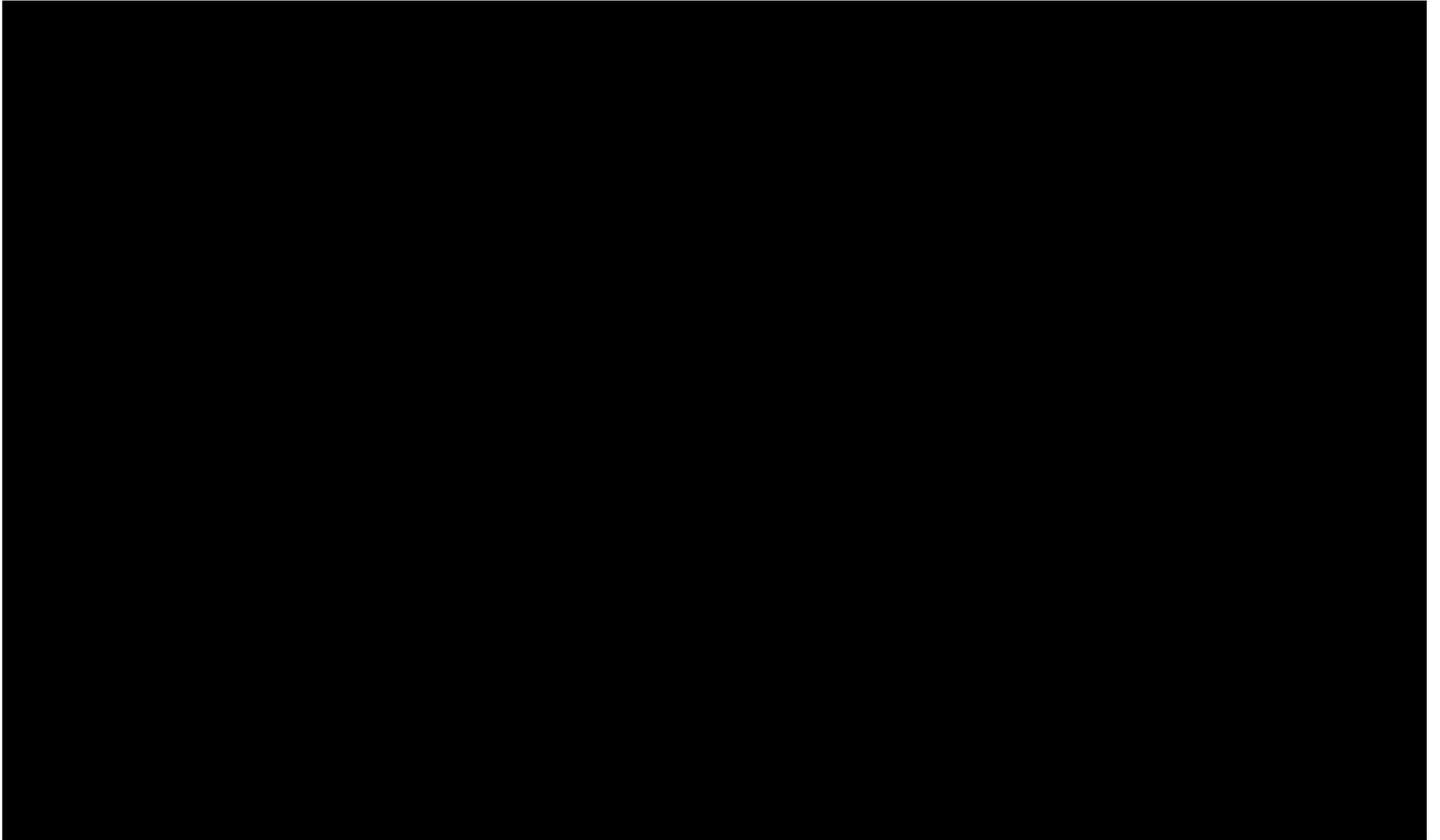


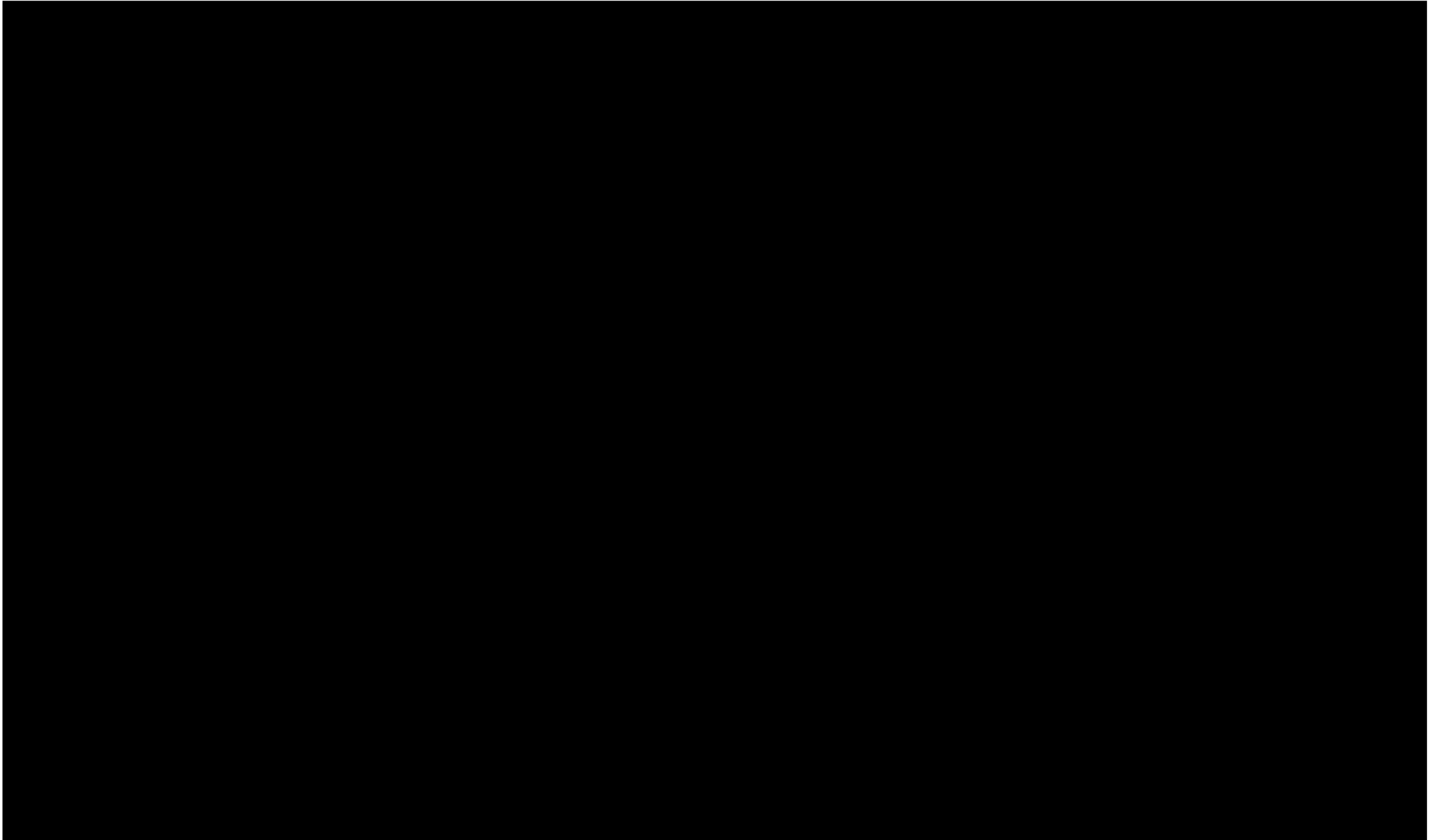


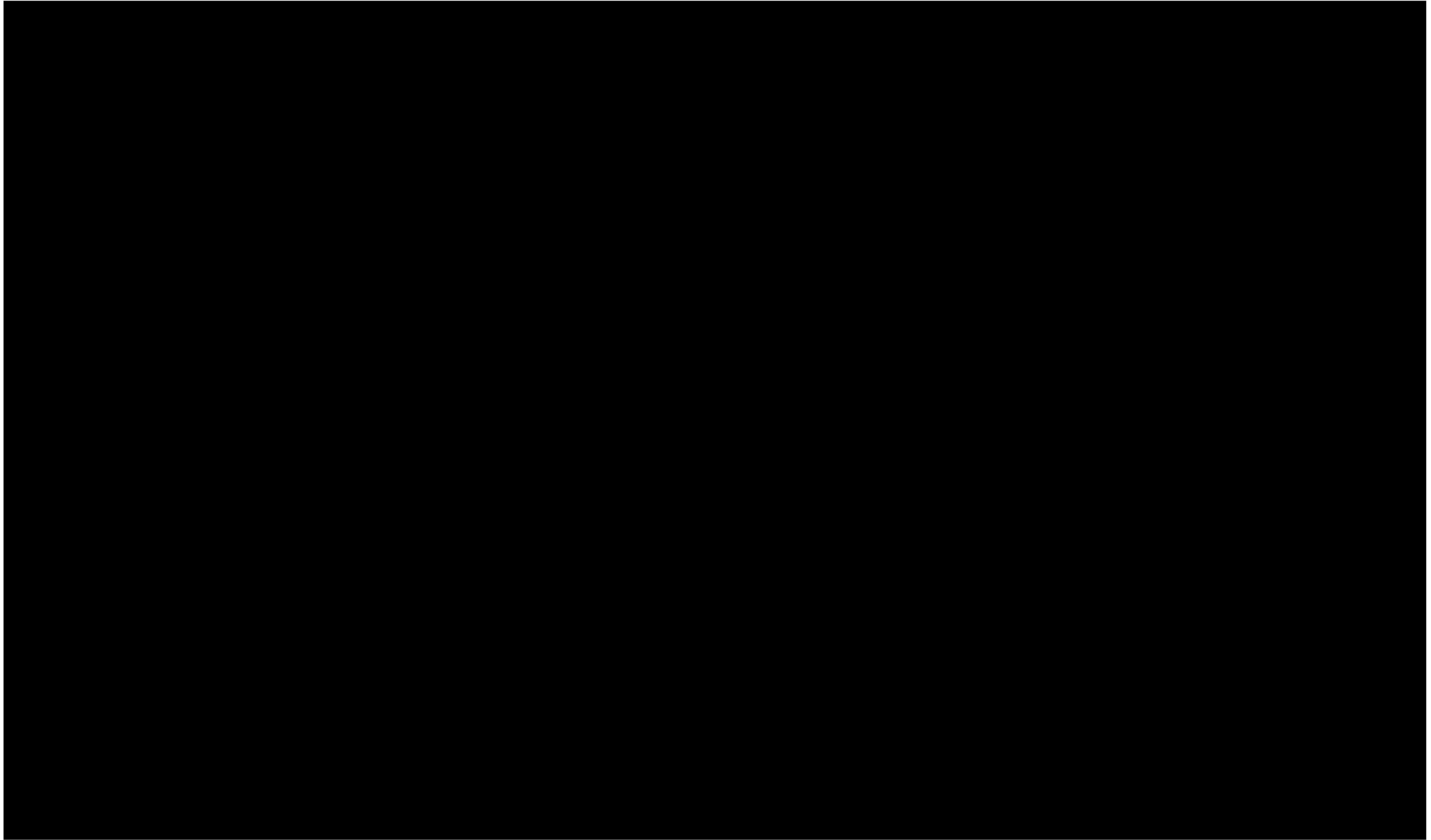


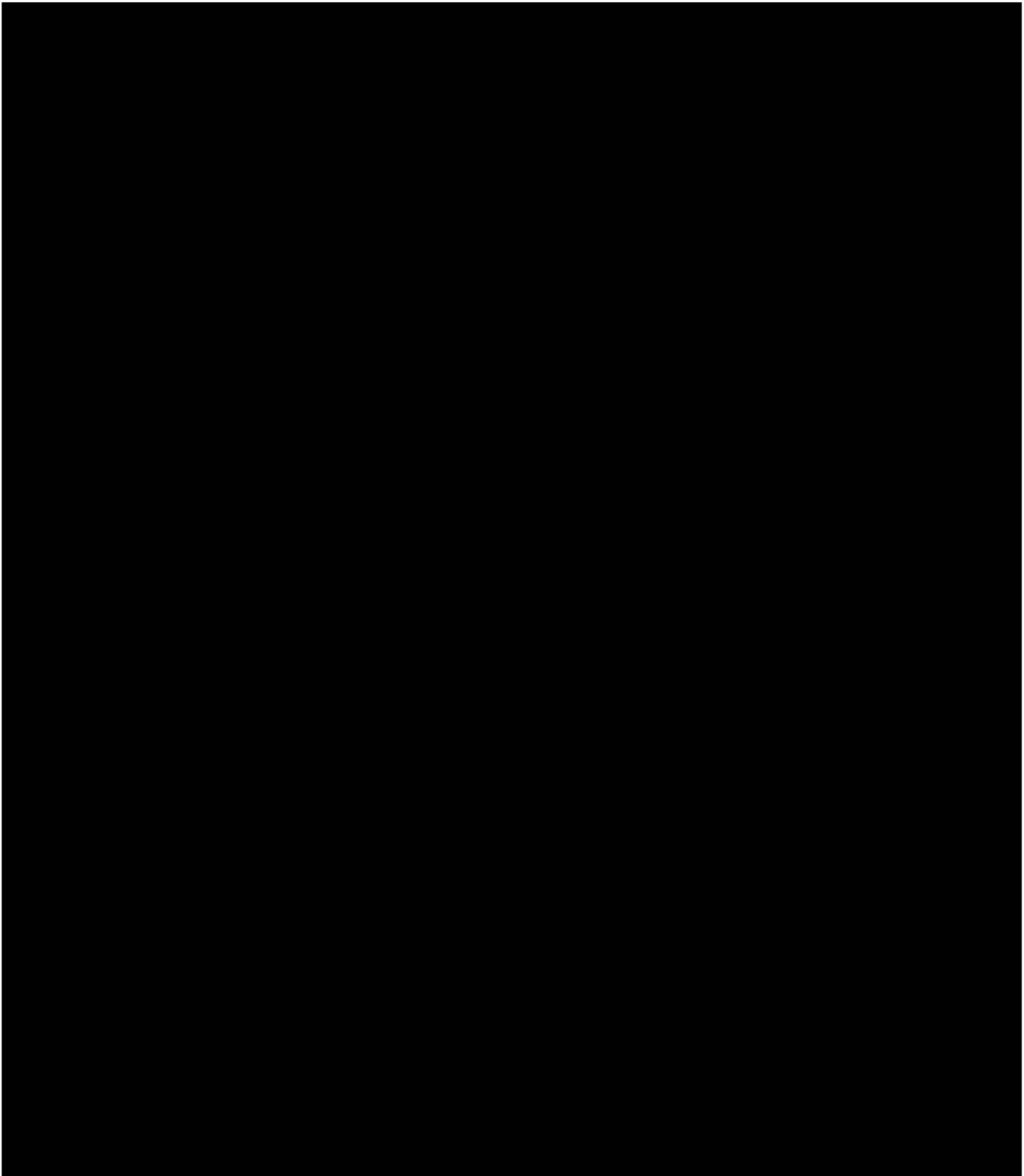


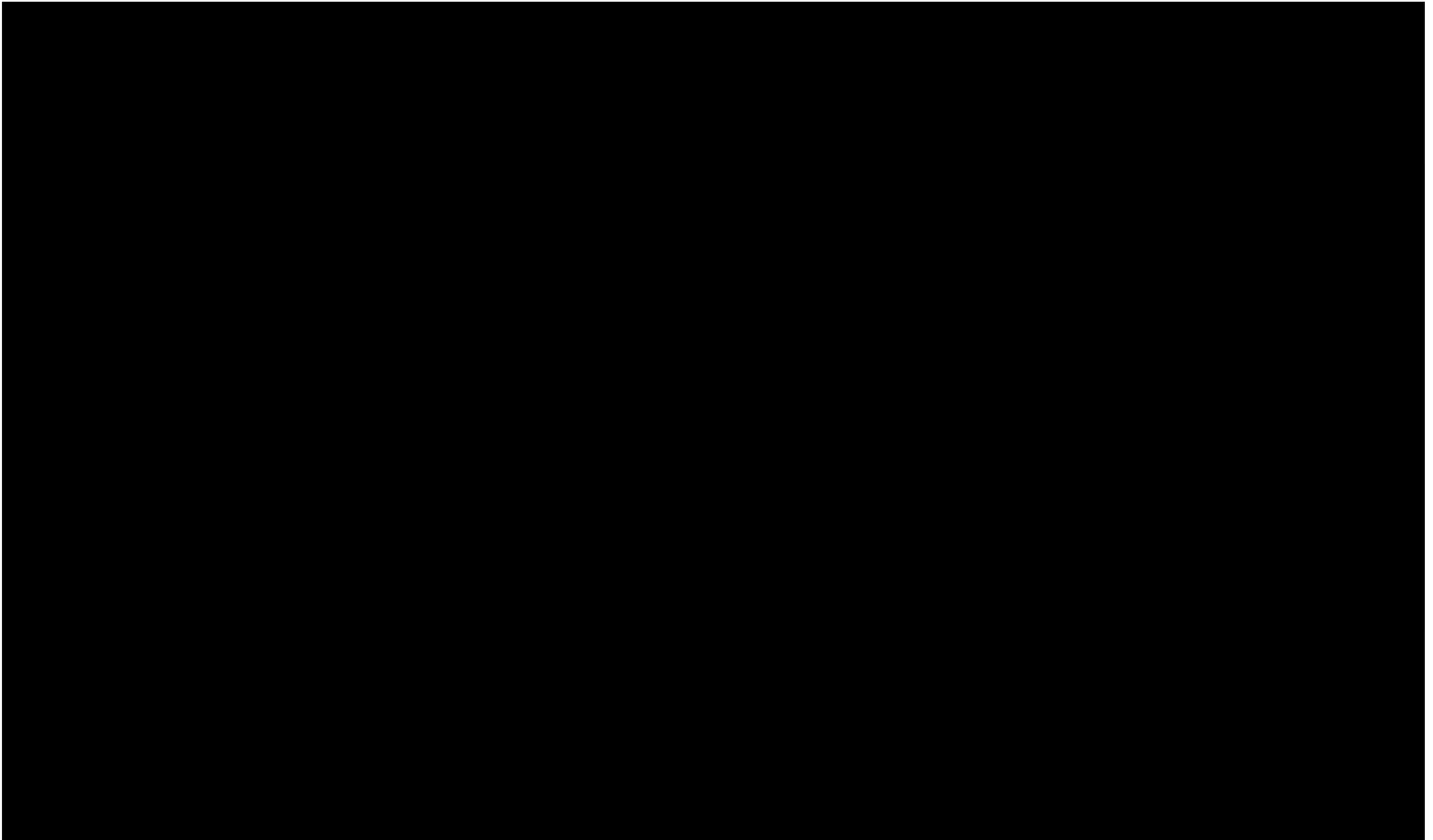


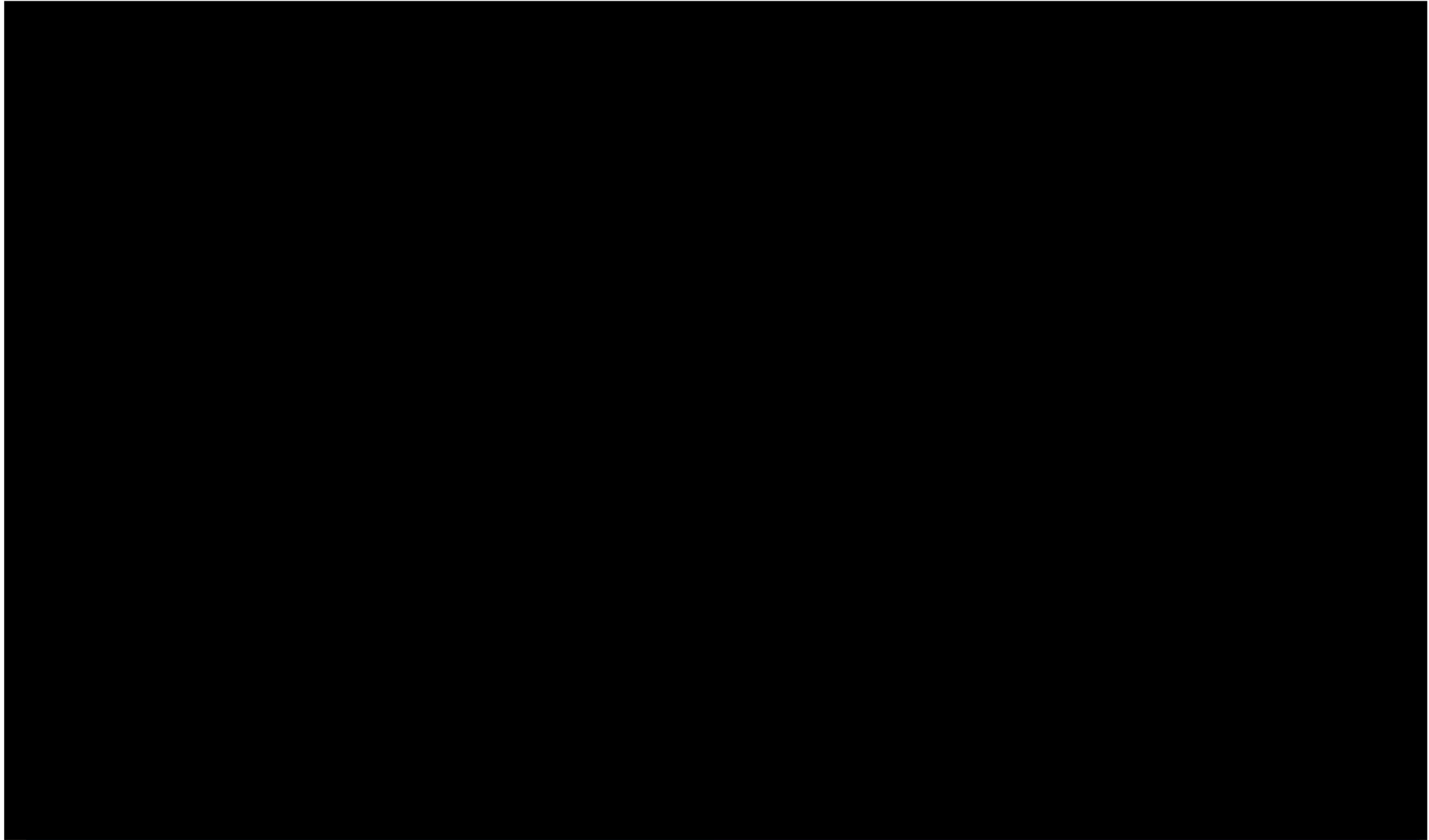


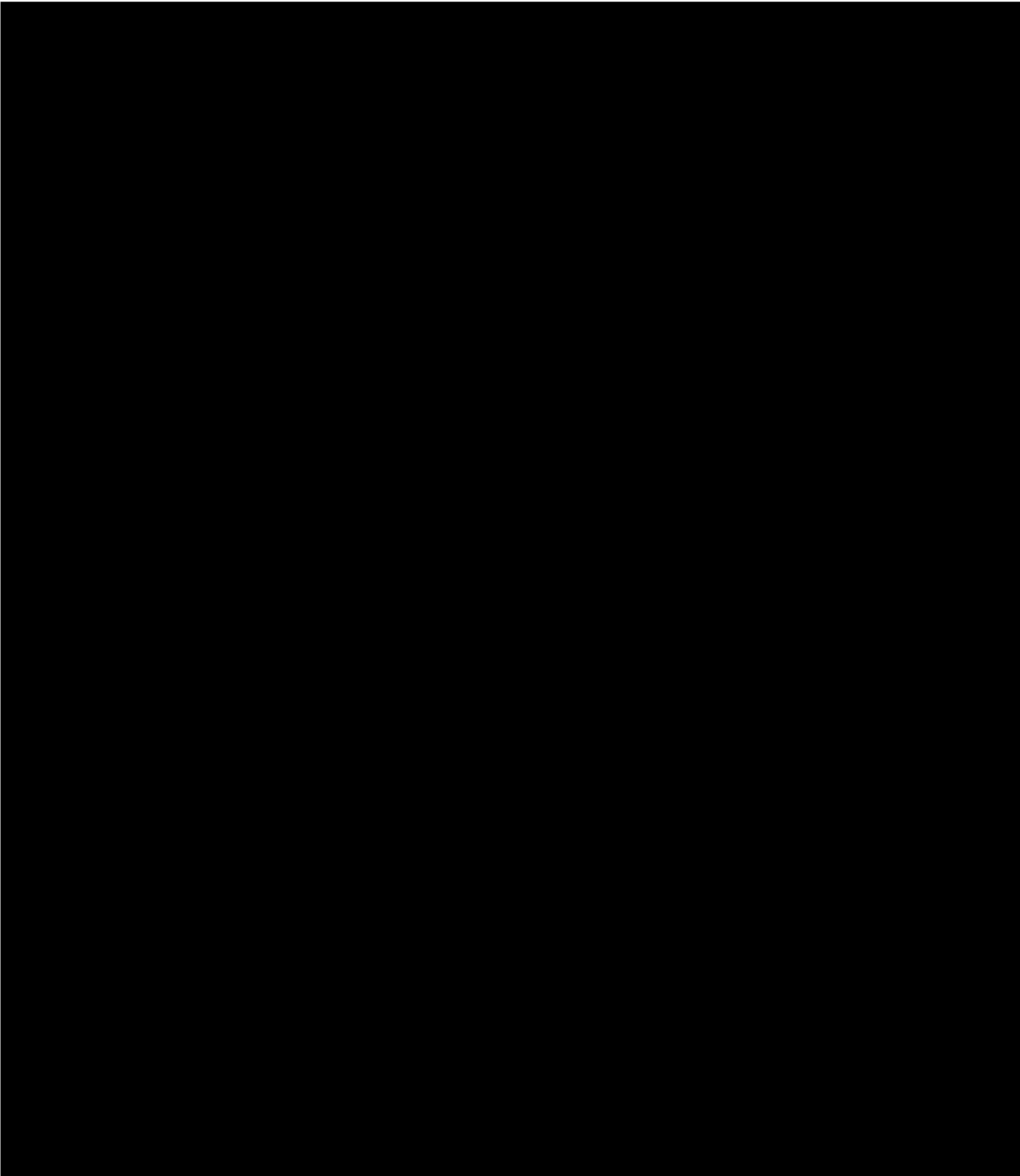


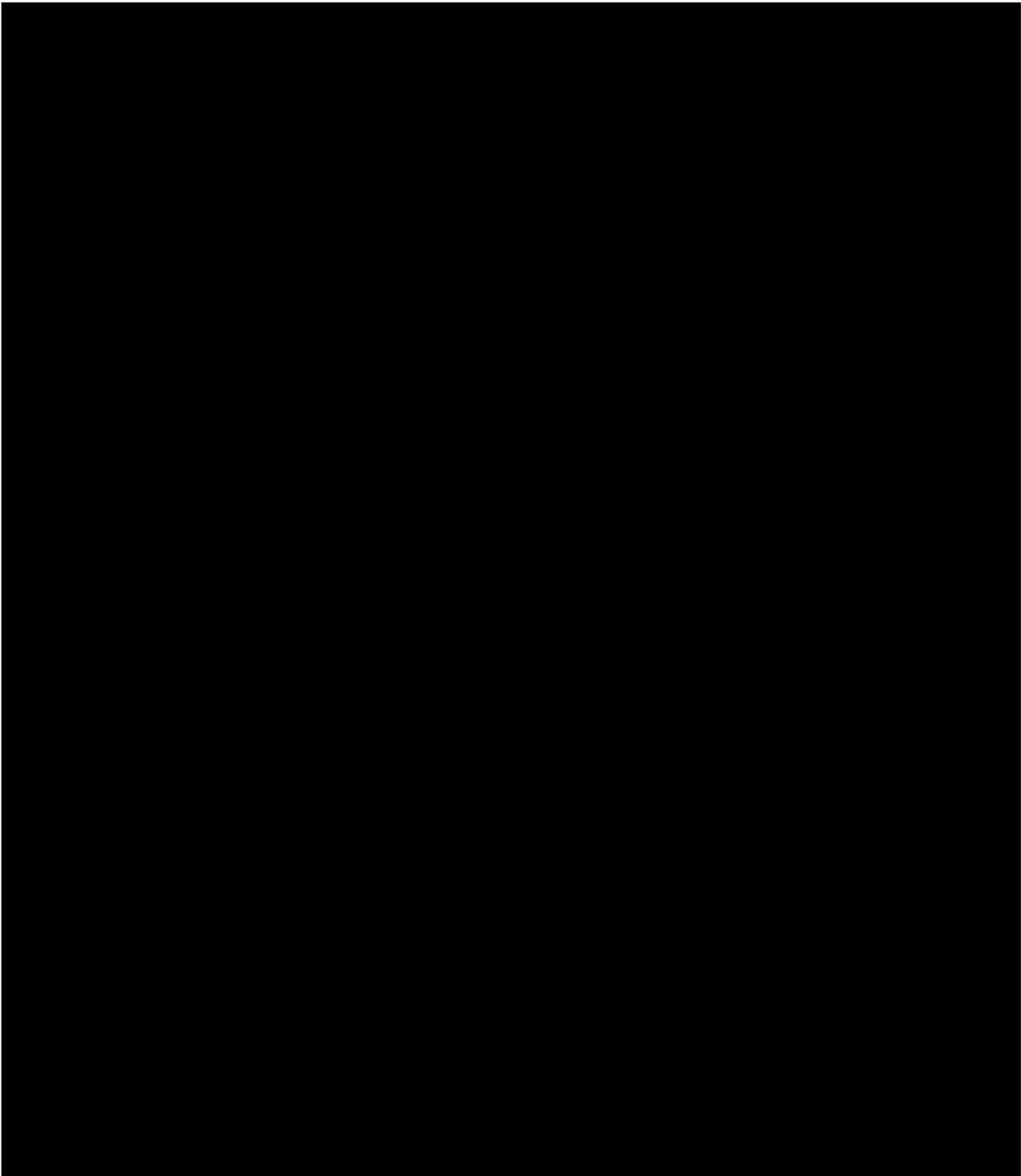


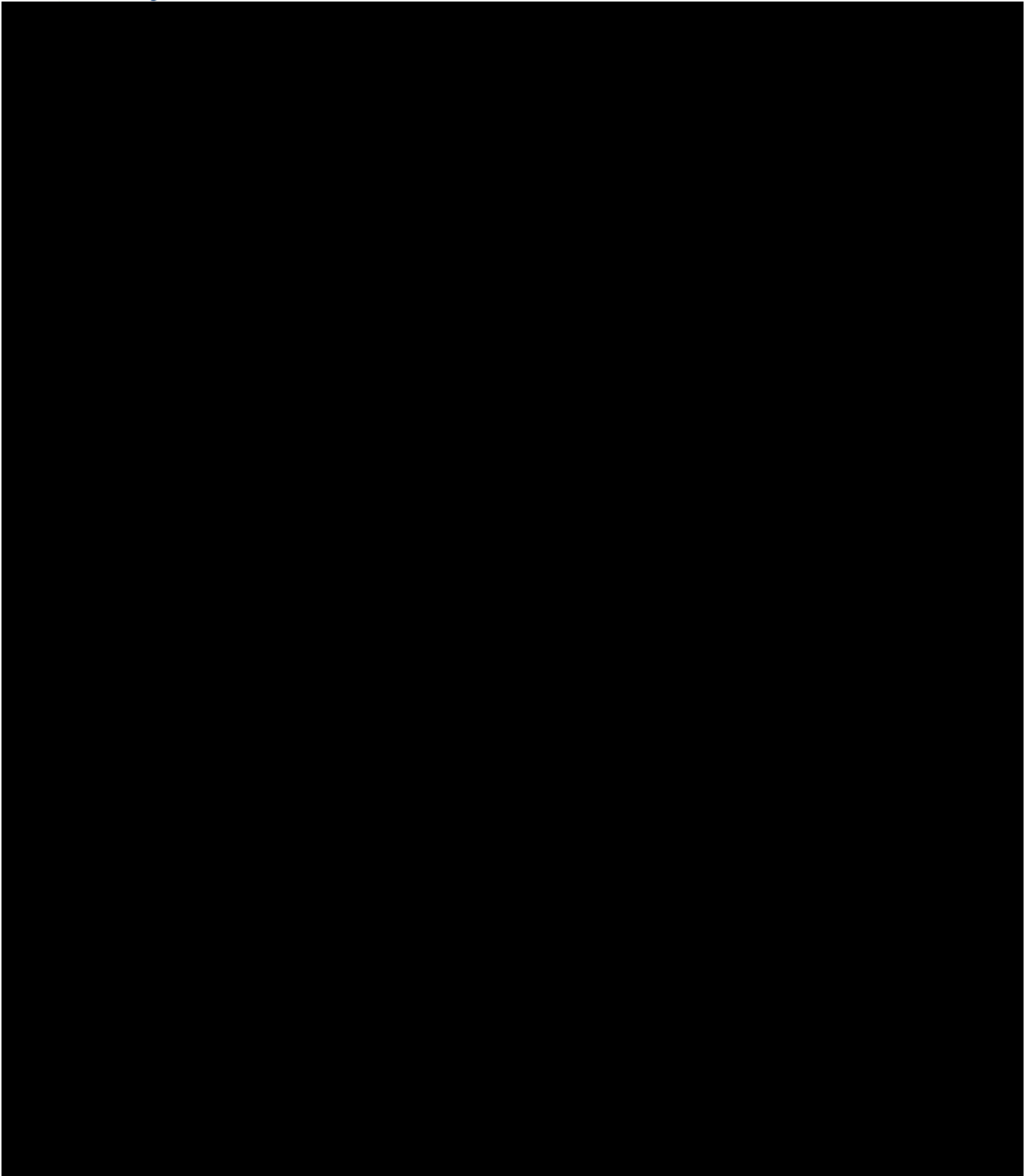




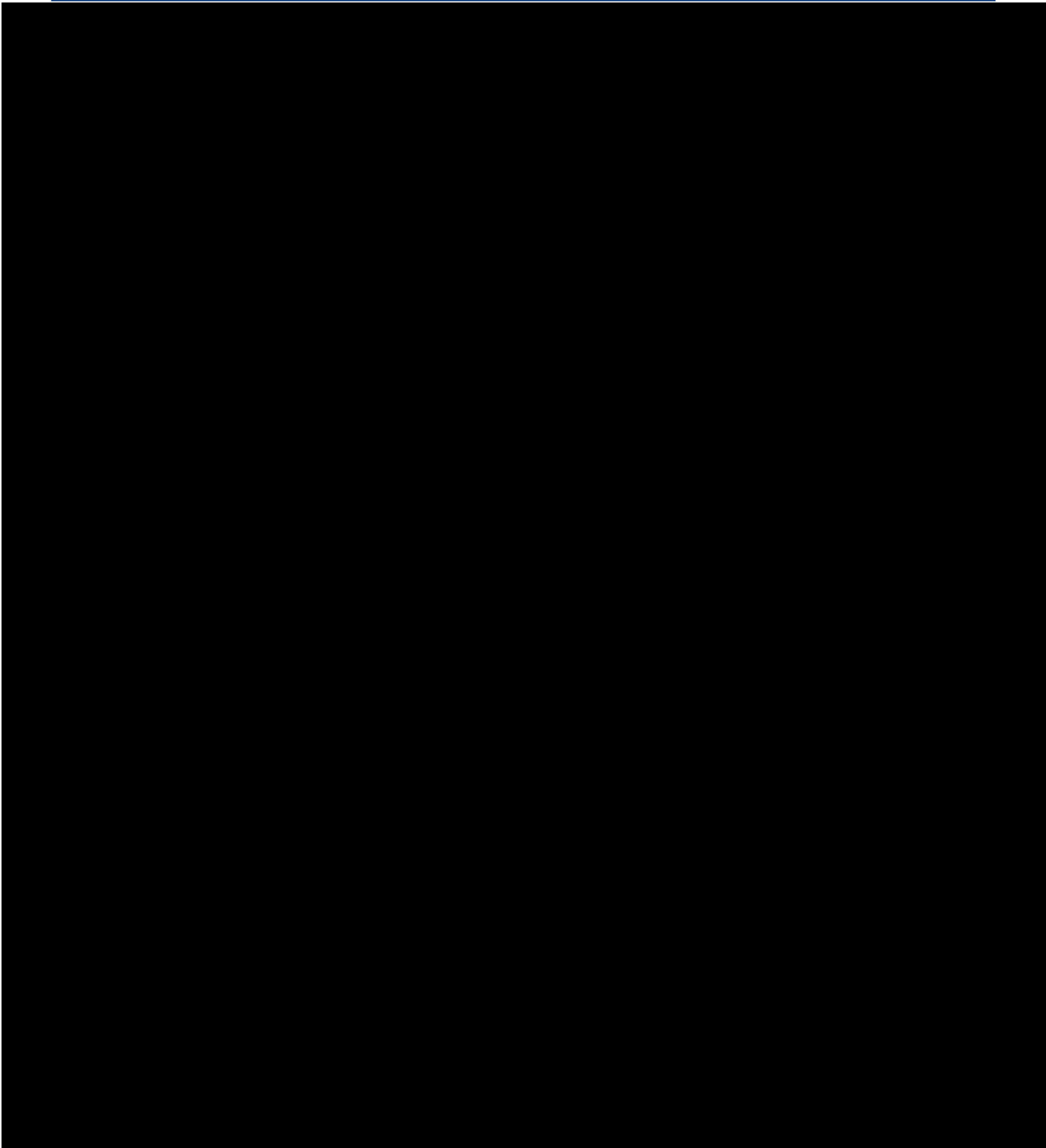


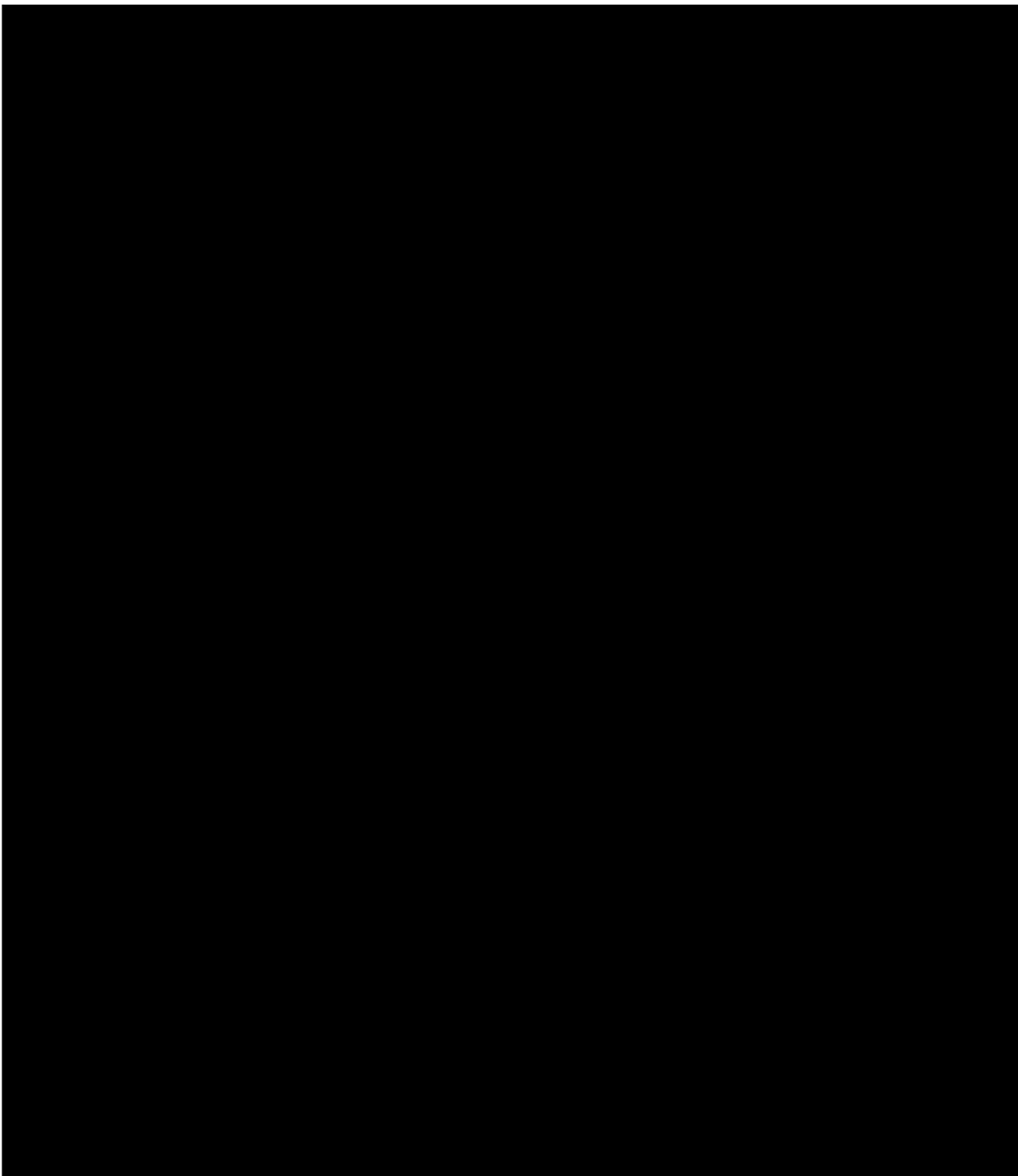


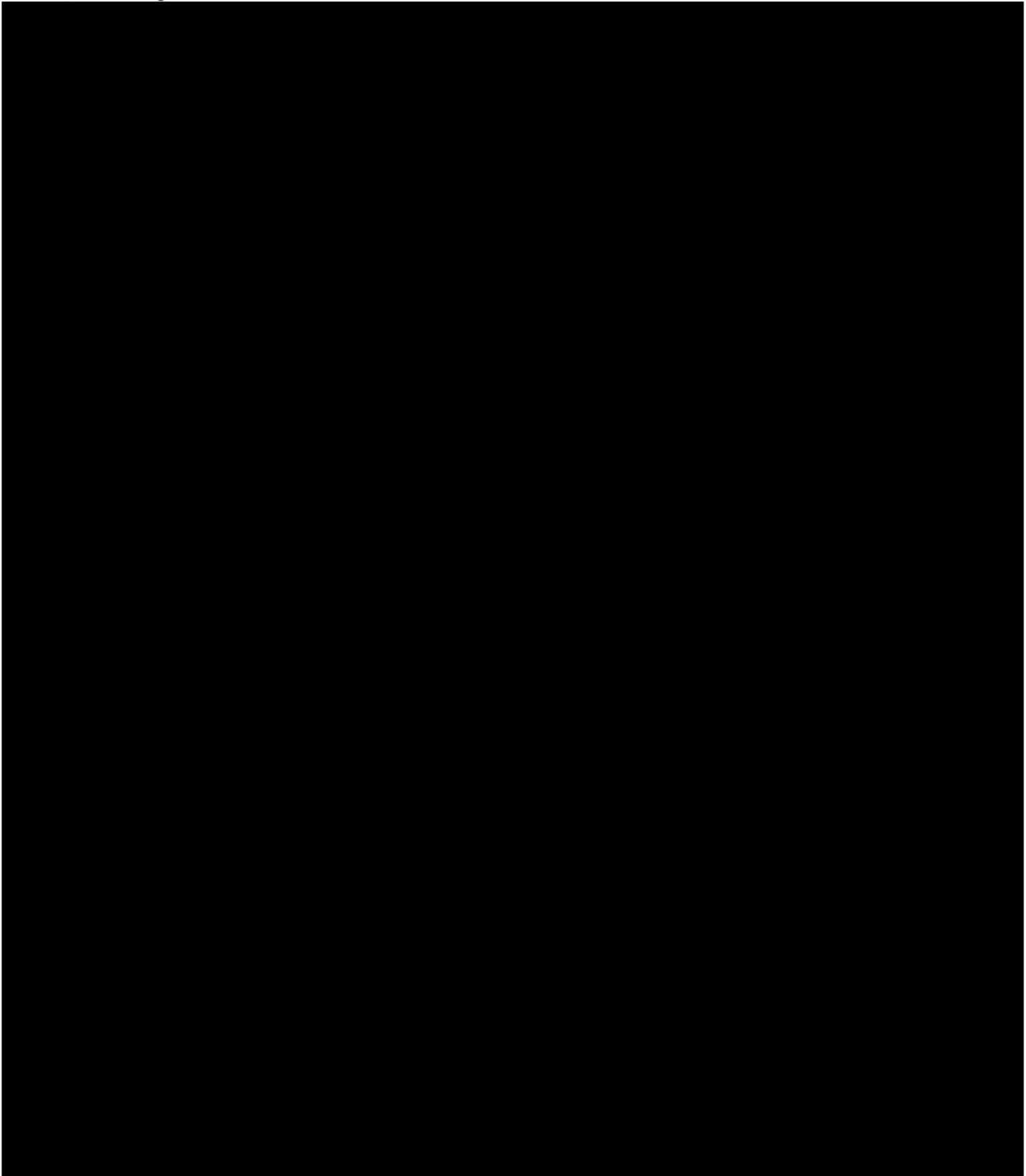


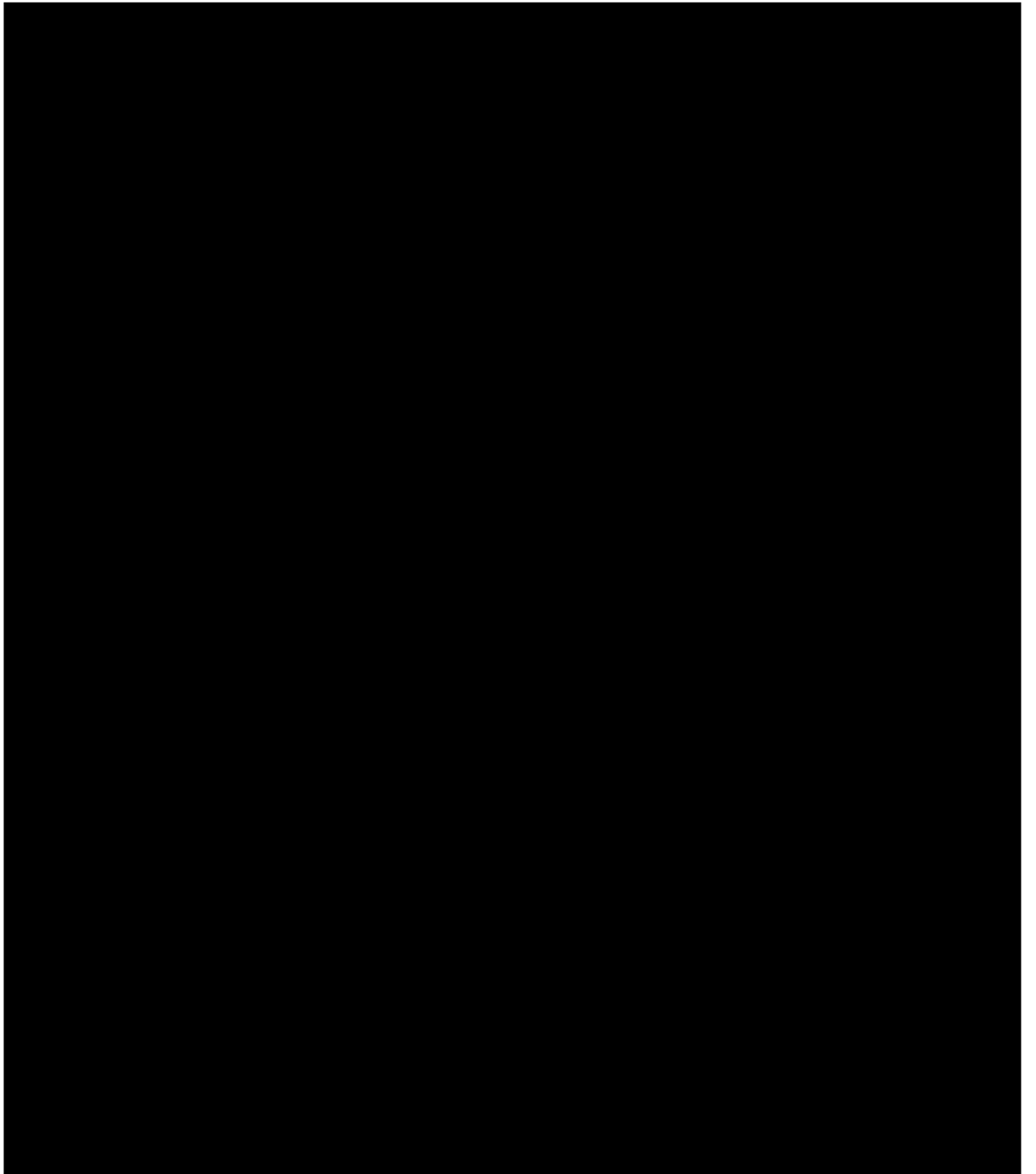


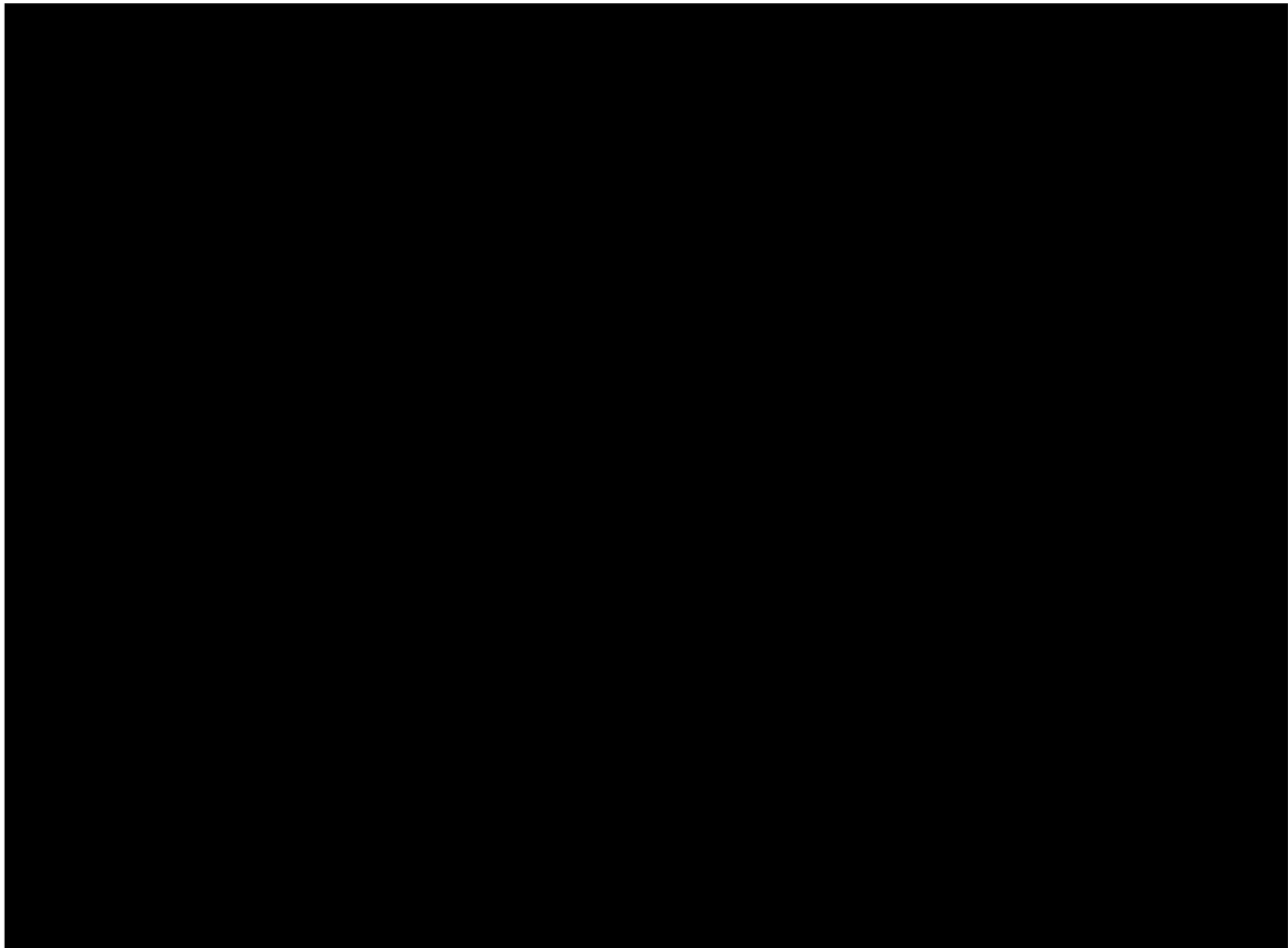
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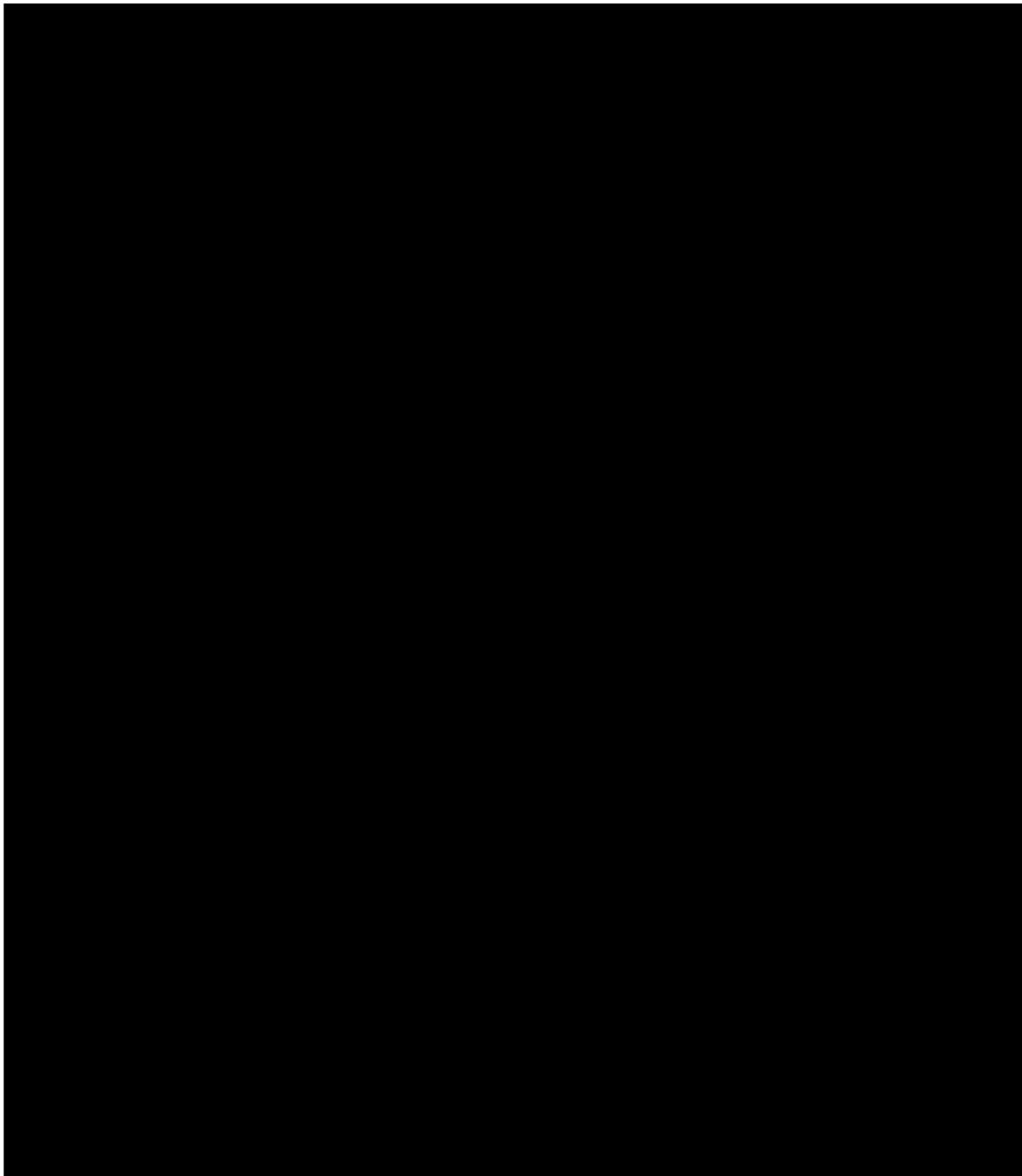


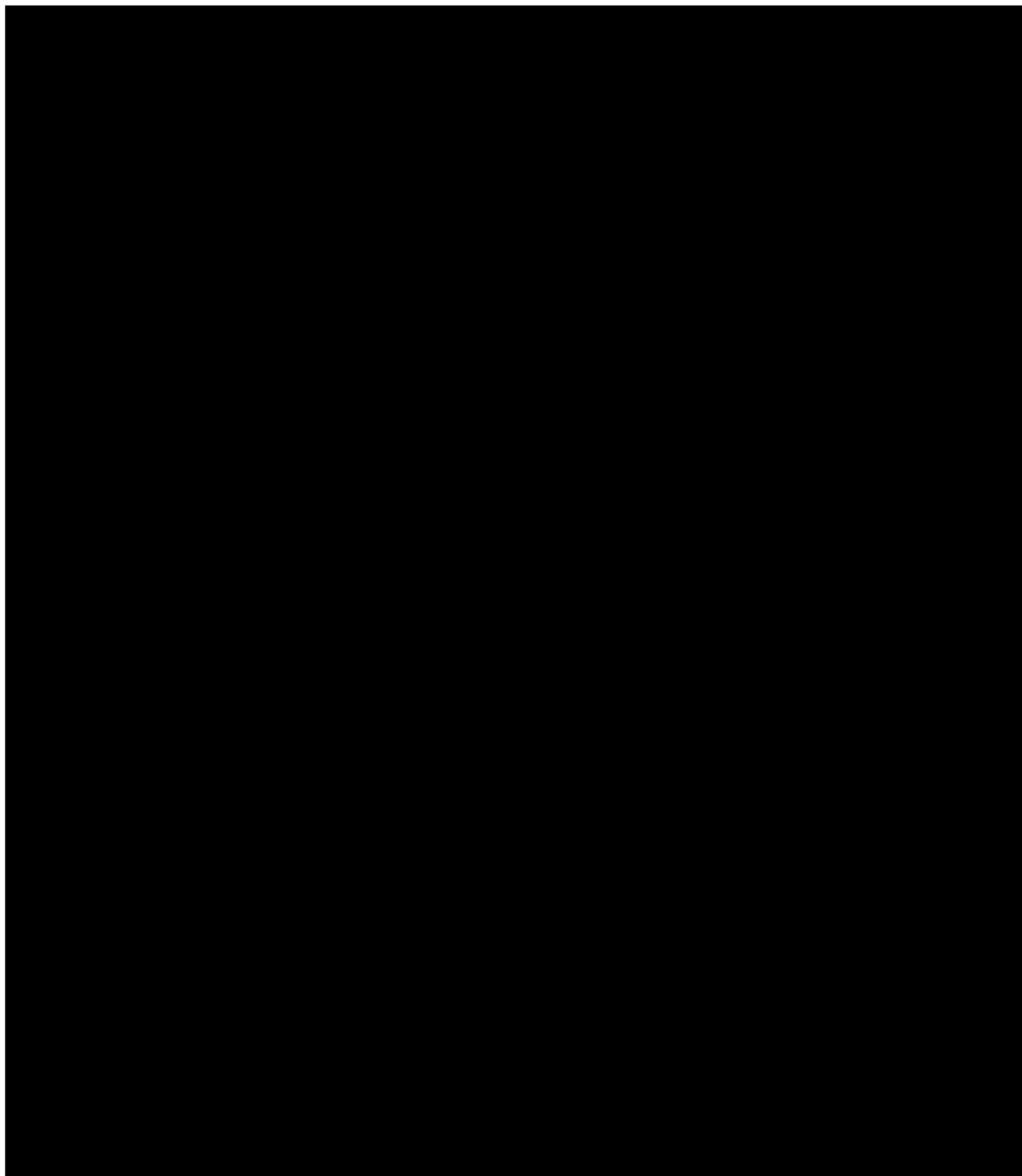


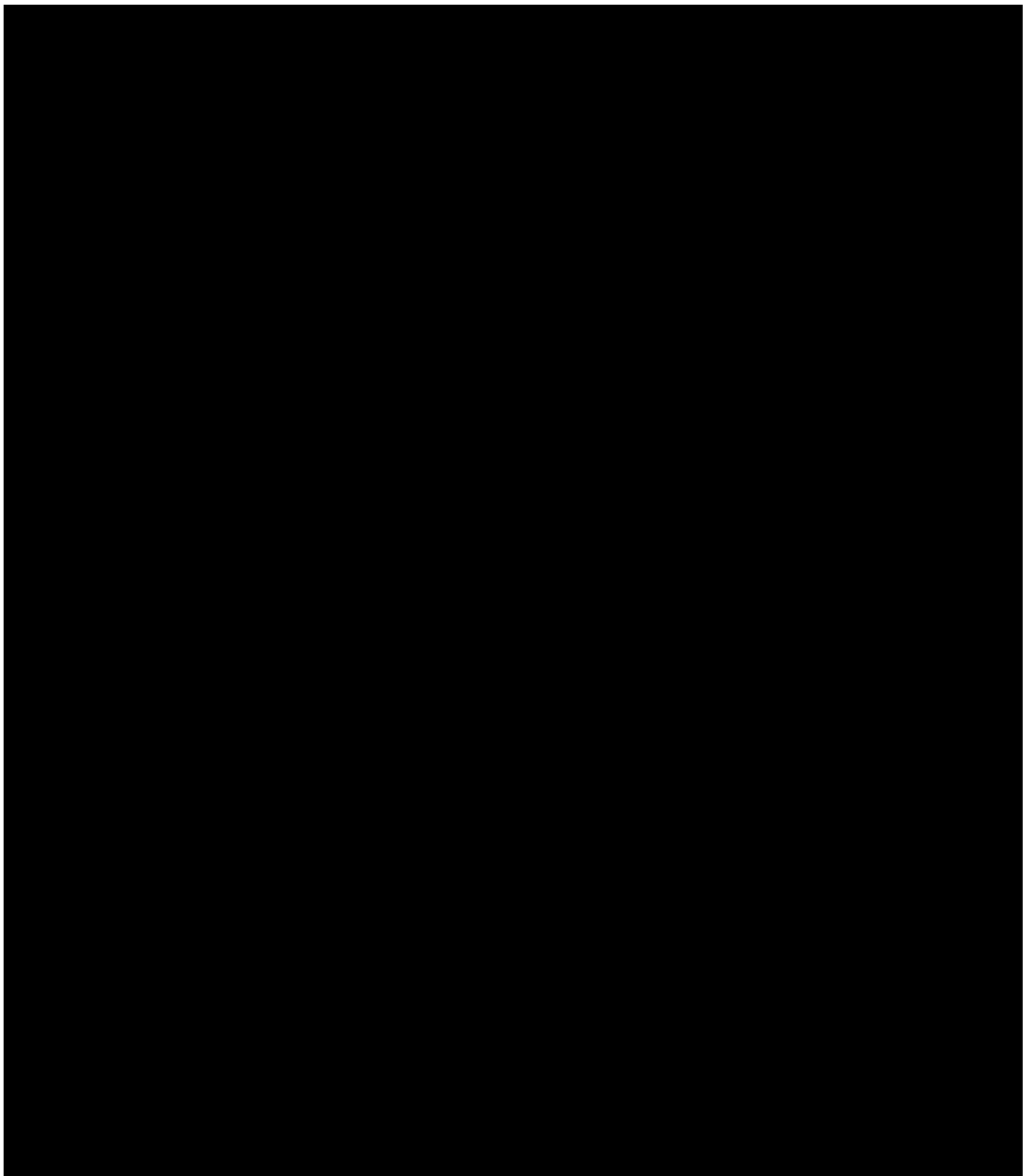


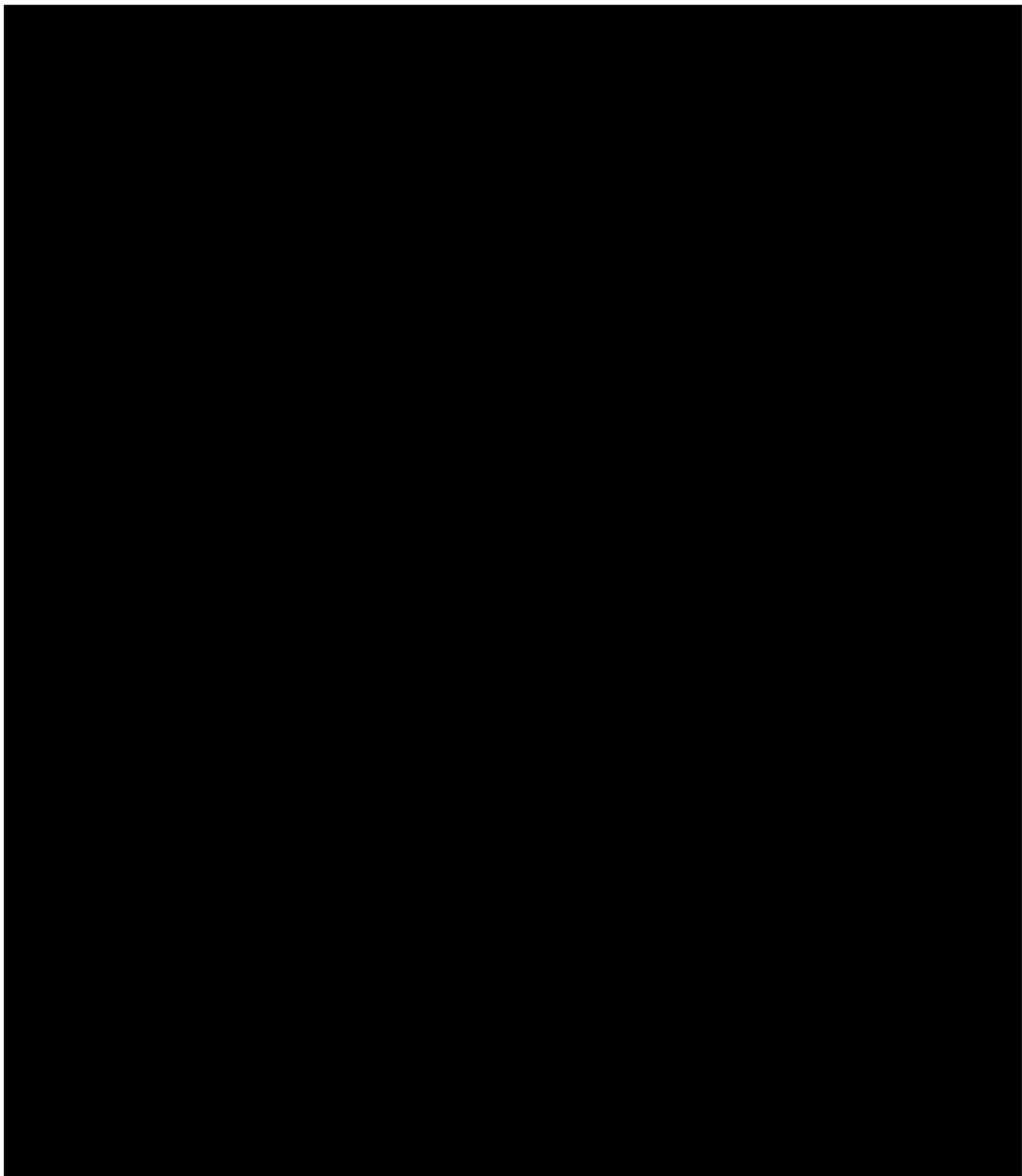


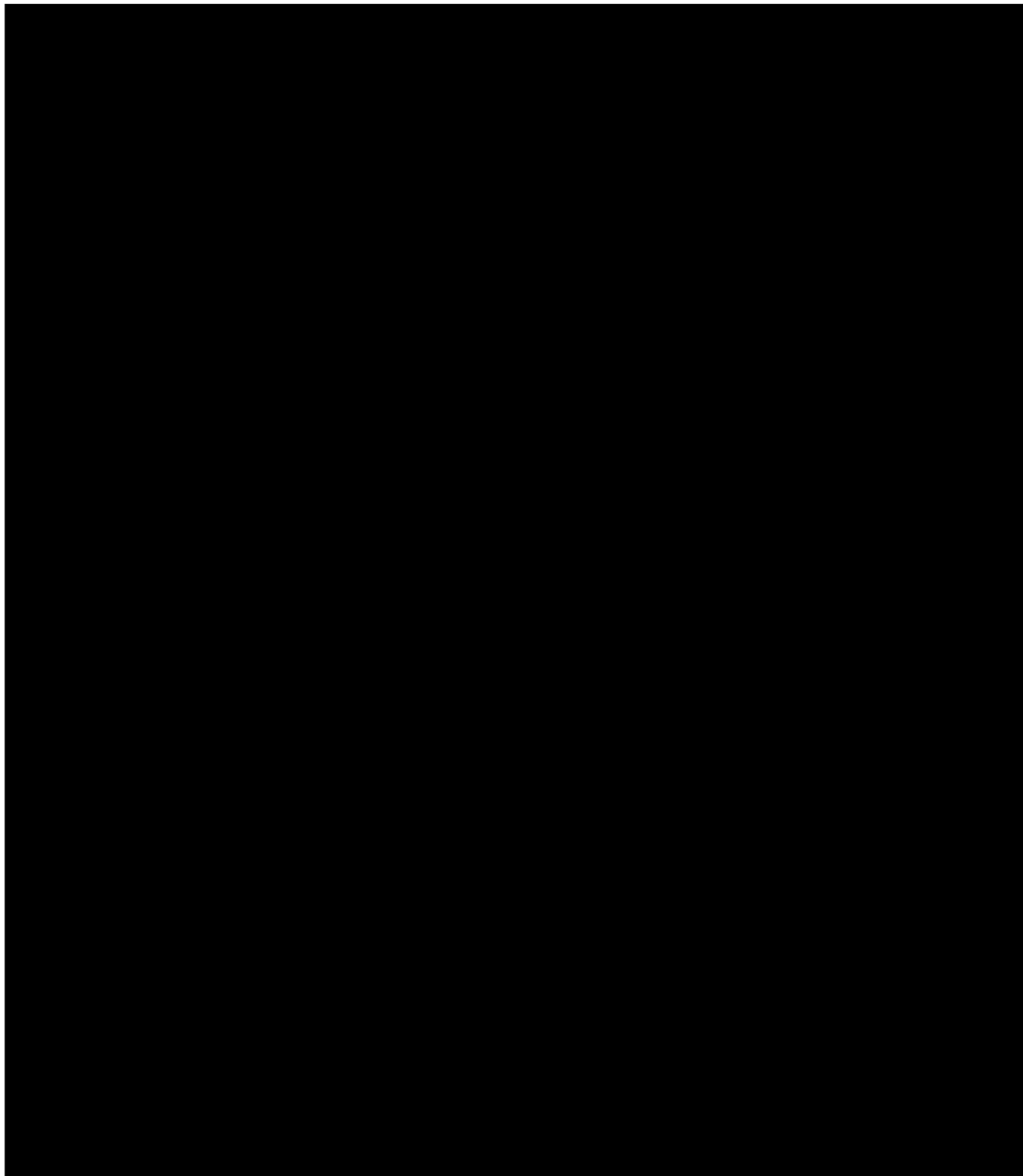


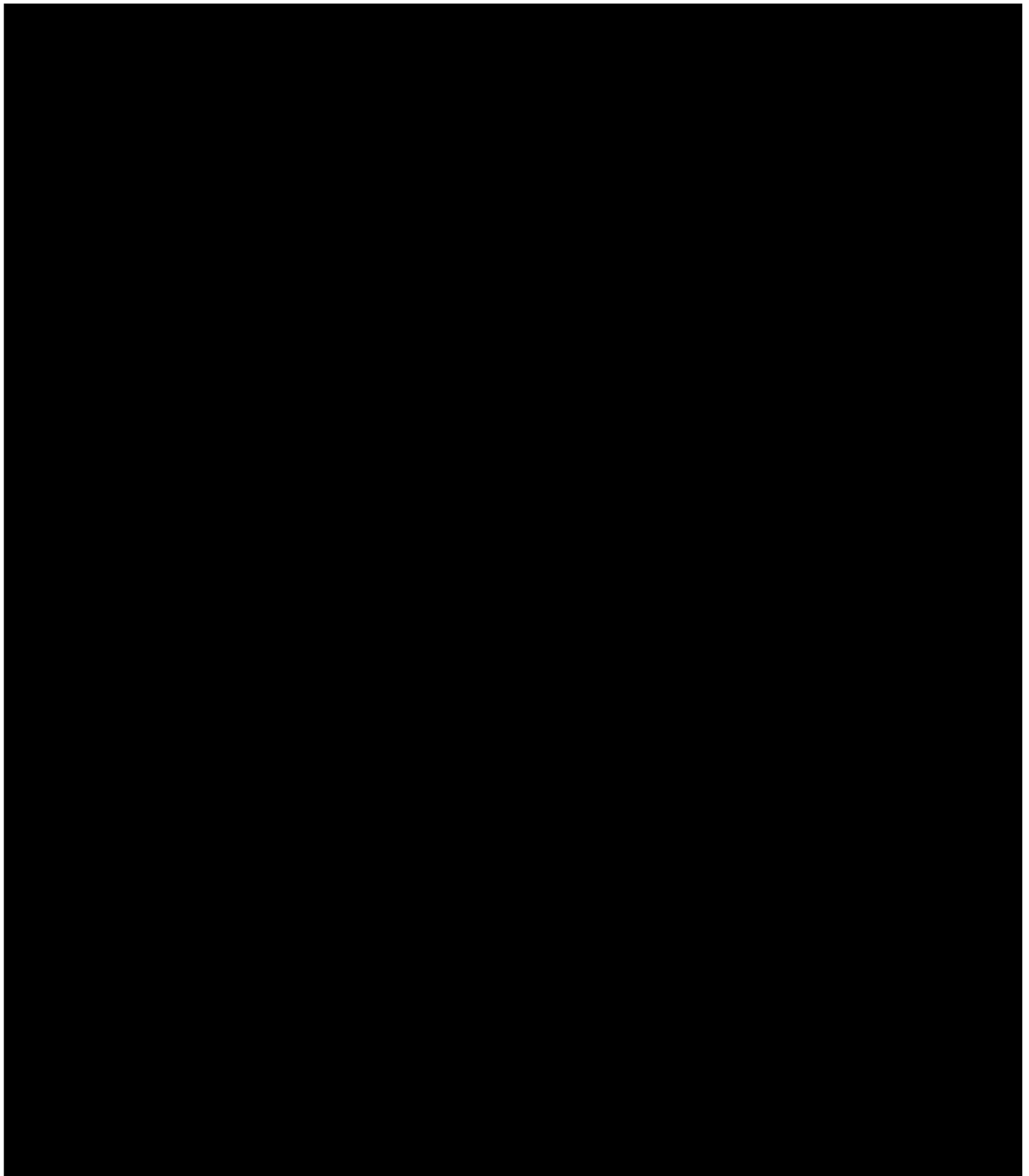












the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million (from 2.5 million in 1980 to 4 million in 1998) and the number of people in the private sector has increased by 1.5 million (from 2.5 million in 1980 to 4 million in 1998) (Department of Social Security 1999).

There is a growing emphasis on the need to improve the quality of care and services provided by the public sector. This has led to a number of initiatives, including the introduction of the Health Care Act 1999, which aims to improve the quality of care and services provided by the public sector. The Health Care Act 1999 also aims to improve the quality of care and services provided by the private sector.

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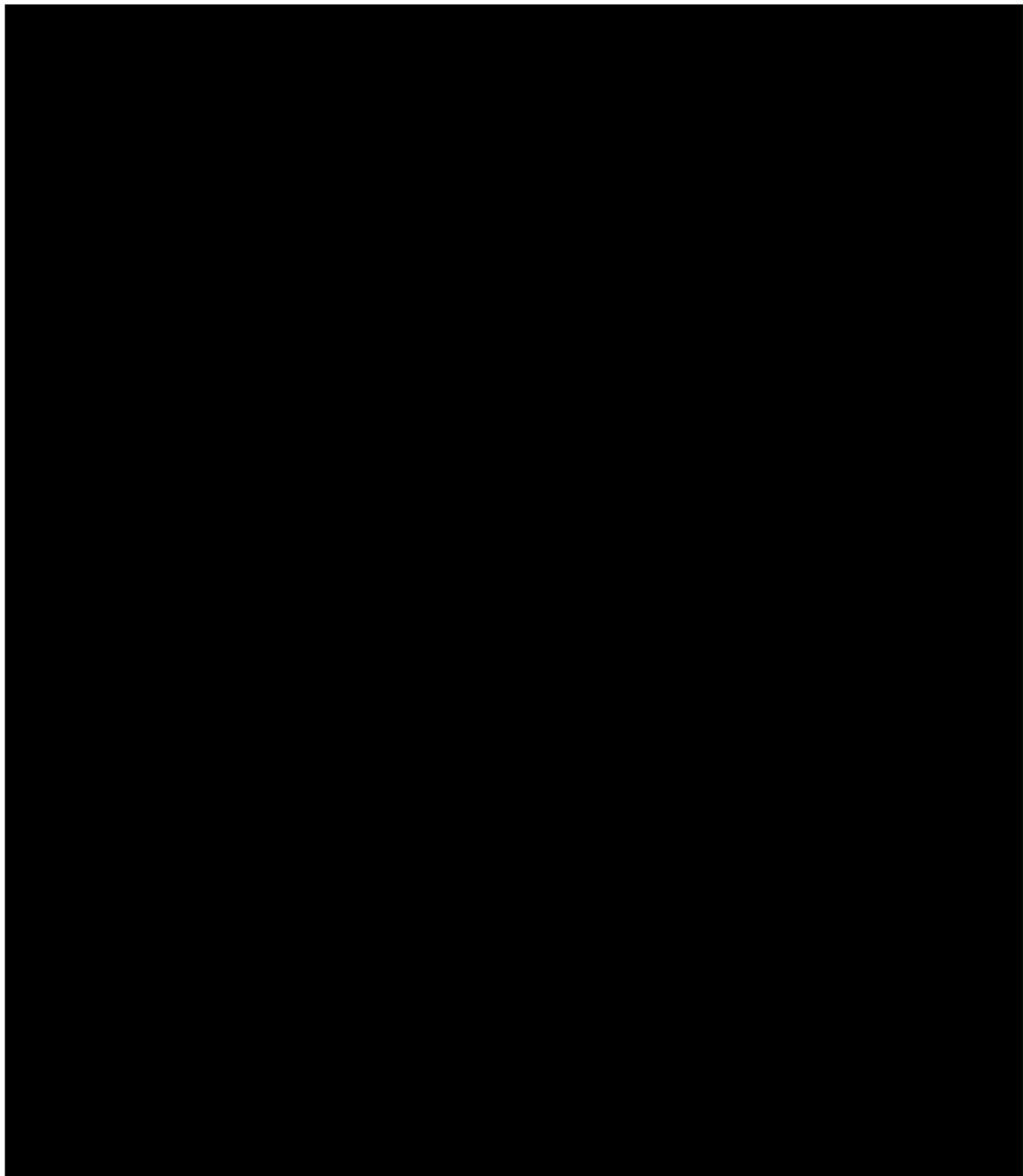
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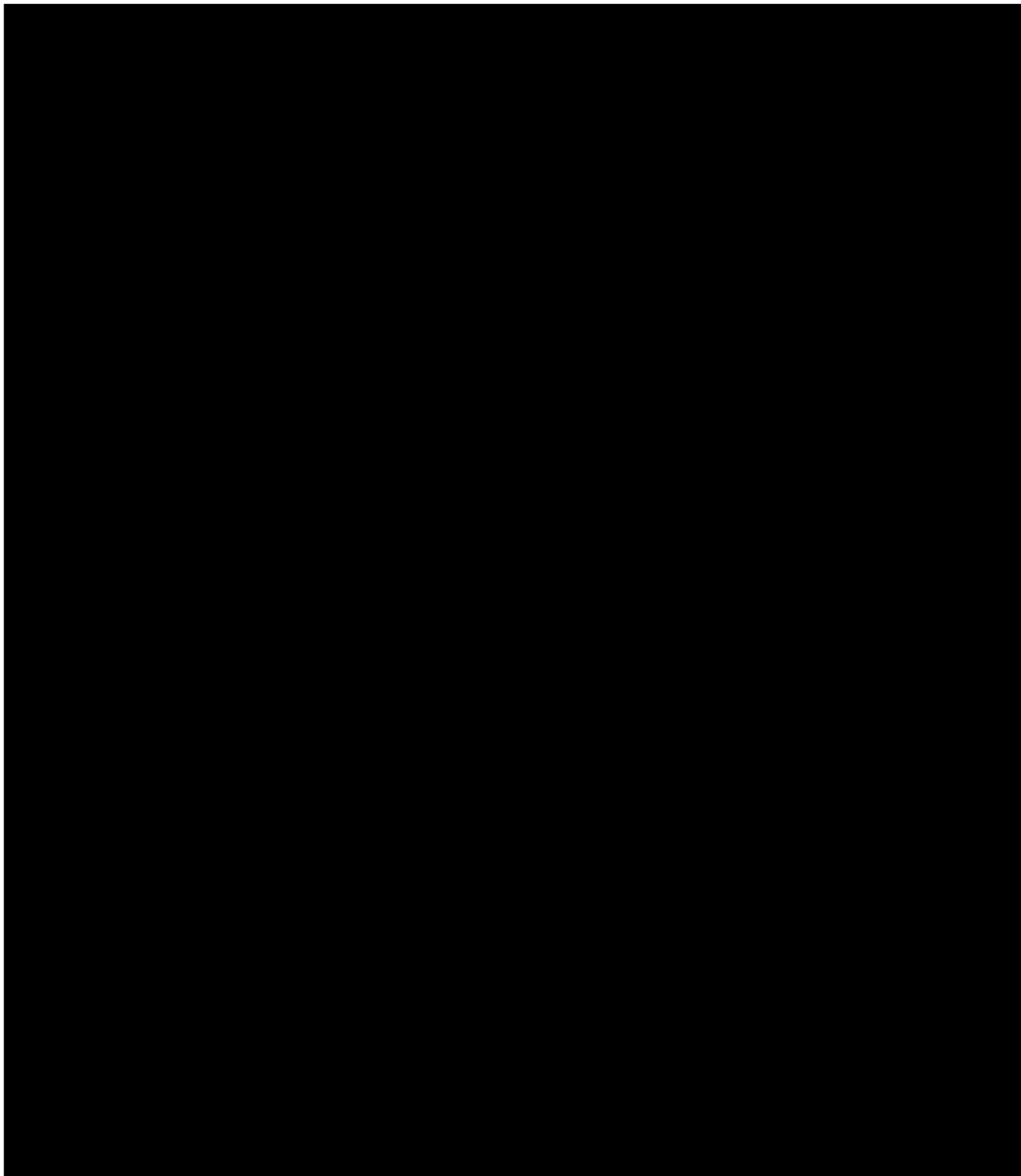
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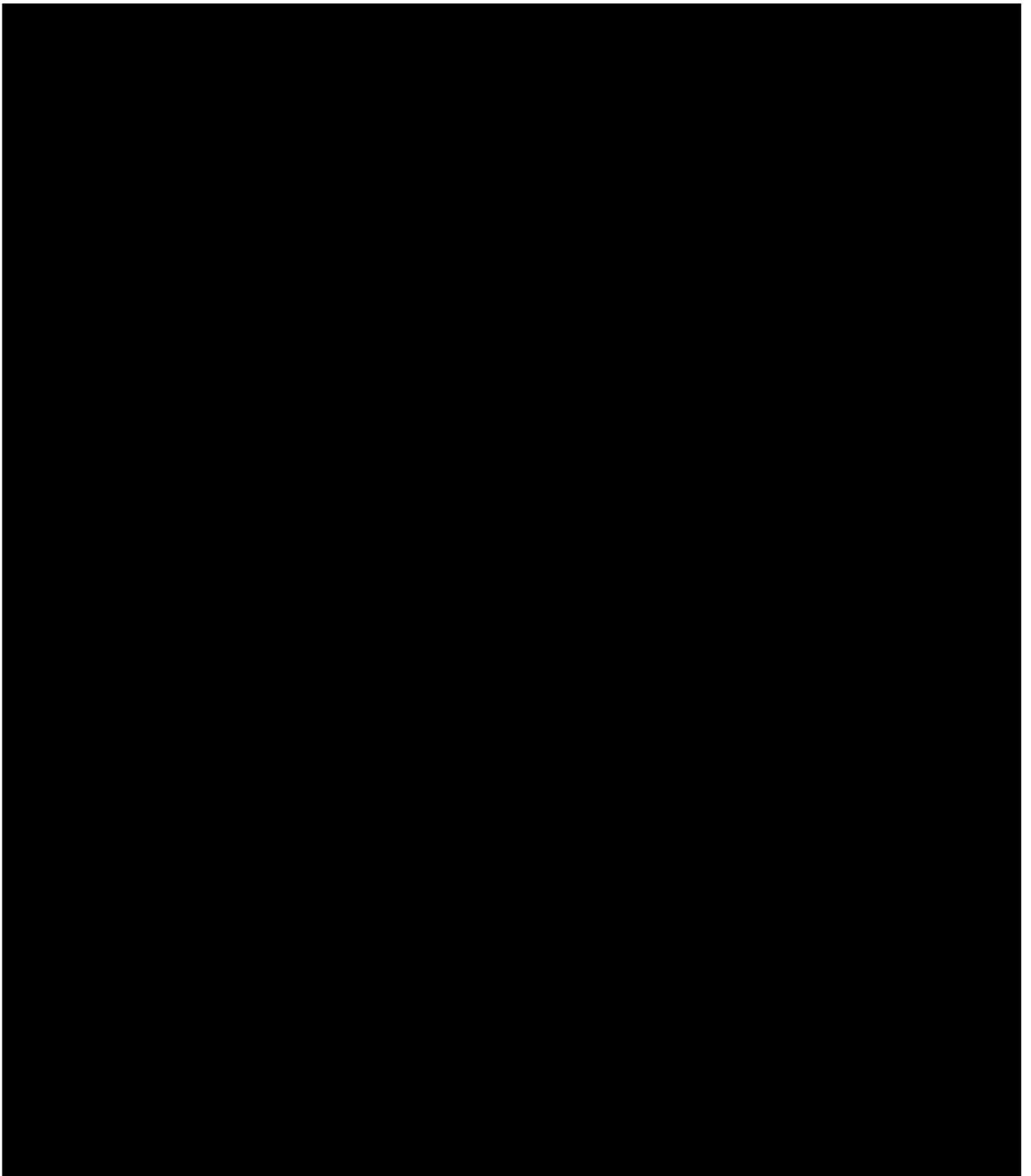
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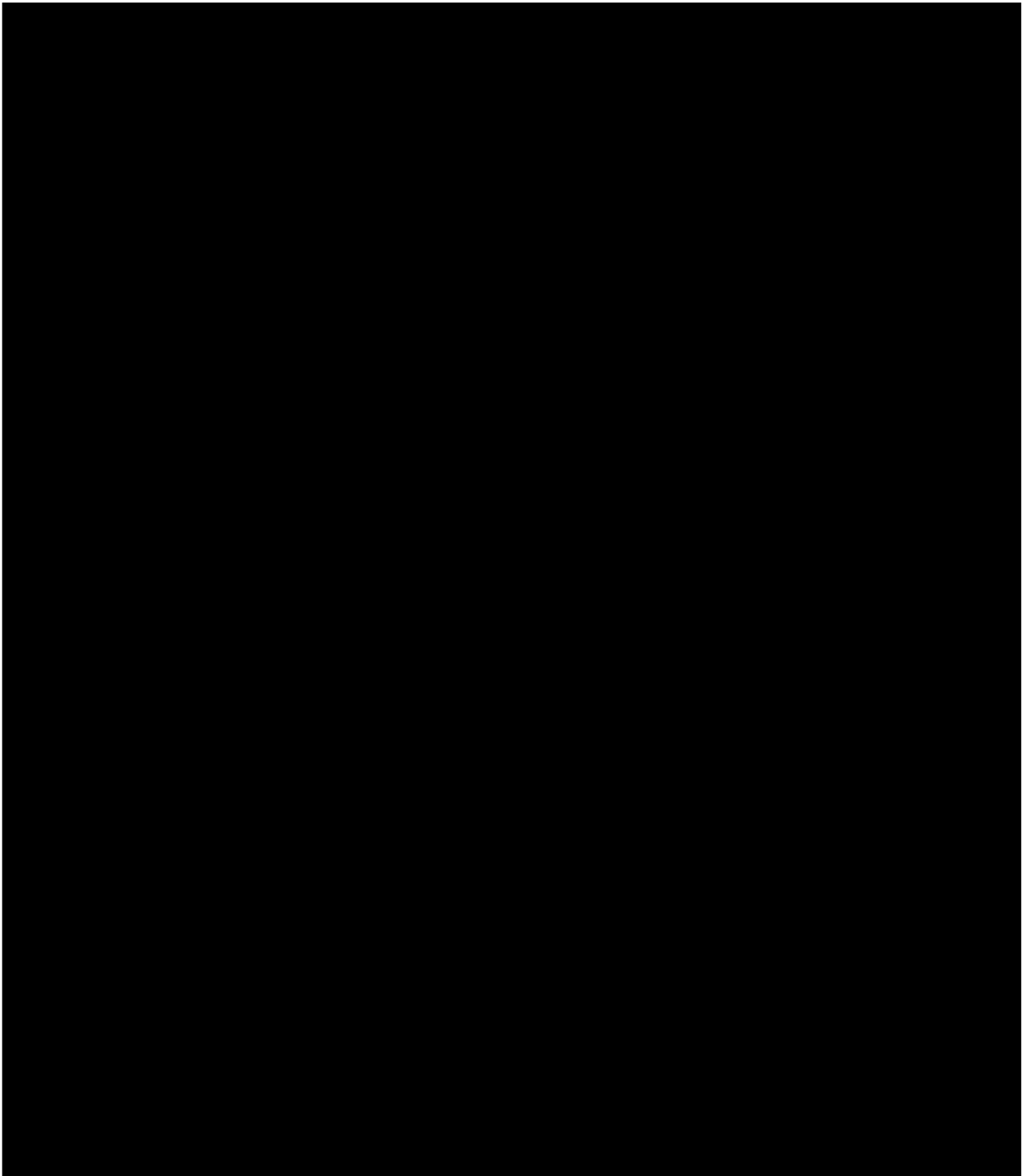
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the 1990s, the number of people in the world who are under 15 years of age has increased by 1.2 billion (United Nations 1999). The number of people in the world who are 65 years of age and over has increased by 100 million in the same period (United Nations 1999).

There is a growing awareness of the need to address the needs of the young and the old in the twenty-first century. The United Nations (1999) has identified the need to address the needs of the young and the old as one of the major challenges of the twenty-first century. The United Nations (1999) has identified the need to address the needs of the young and the old as one of the major challenges of the twenty-first century.

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