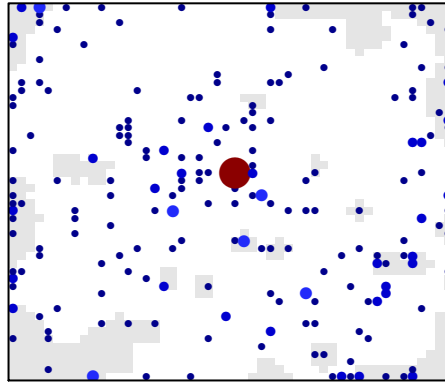


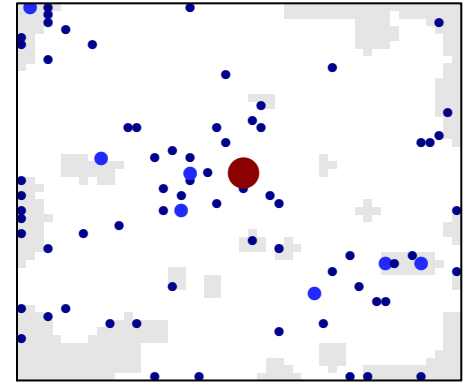
# Adrenergic signaling in cardiomyocyte

all genes

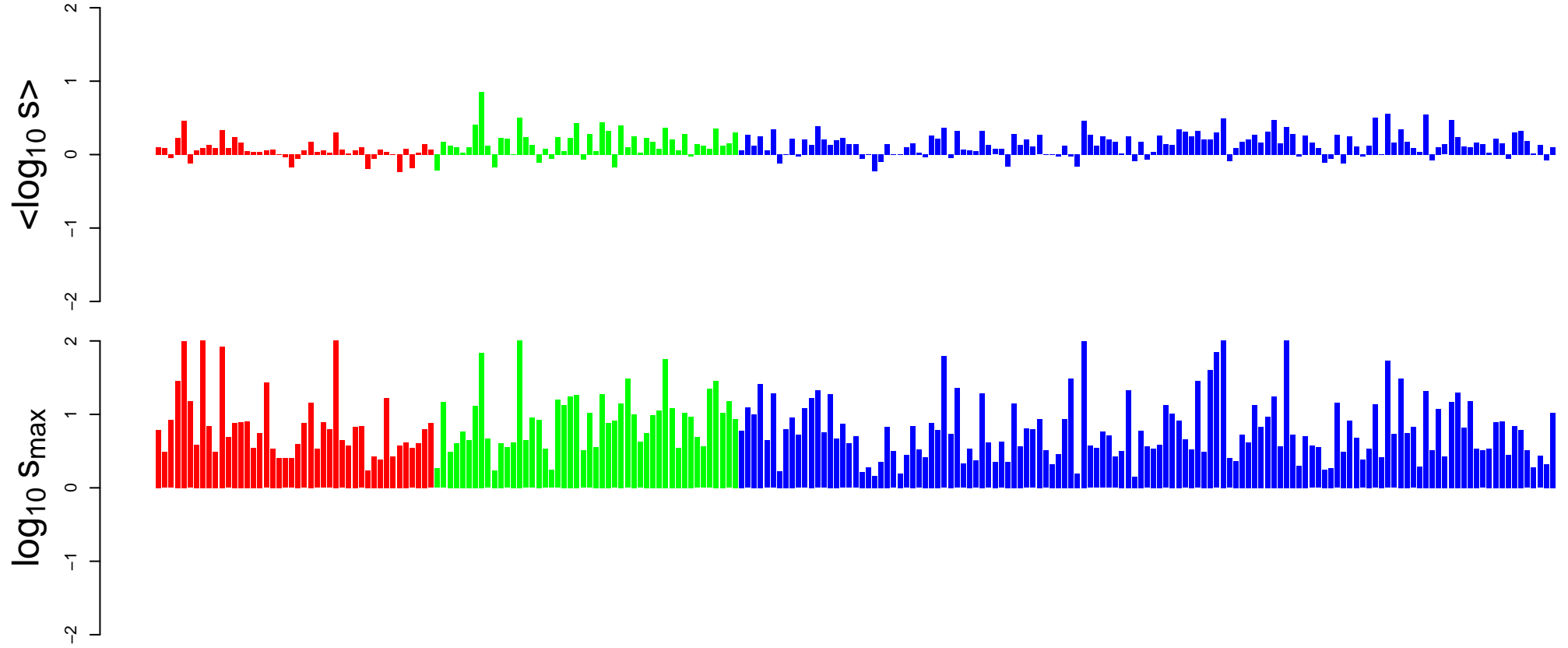


maximum = 11

sink node genes

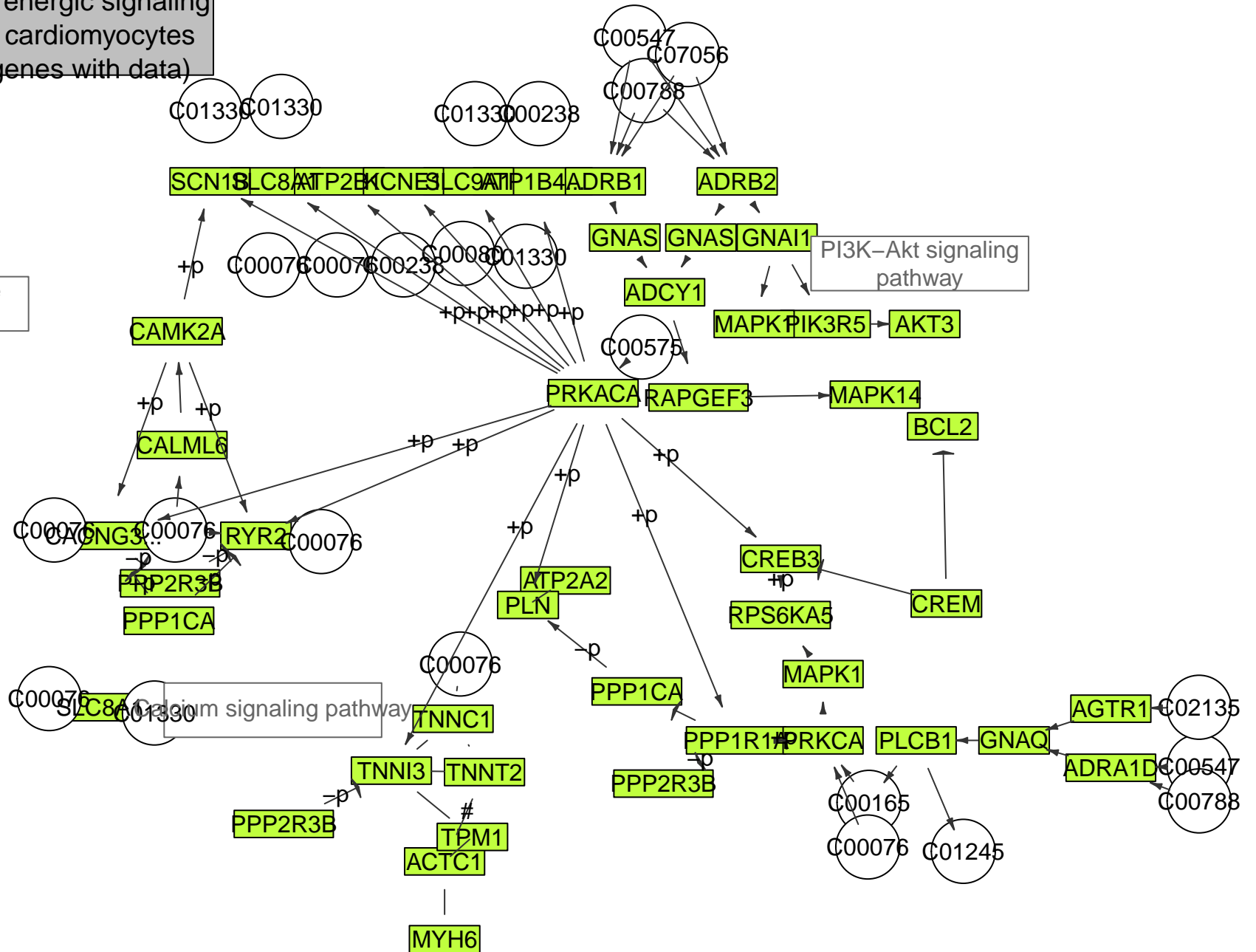


maximum = 6



Adrenergic signaling  
in cardiomyocytes  
(genes with data)

Cardiac muscle  
contraction

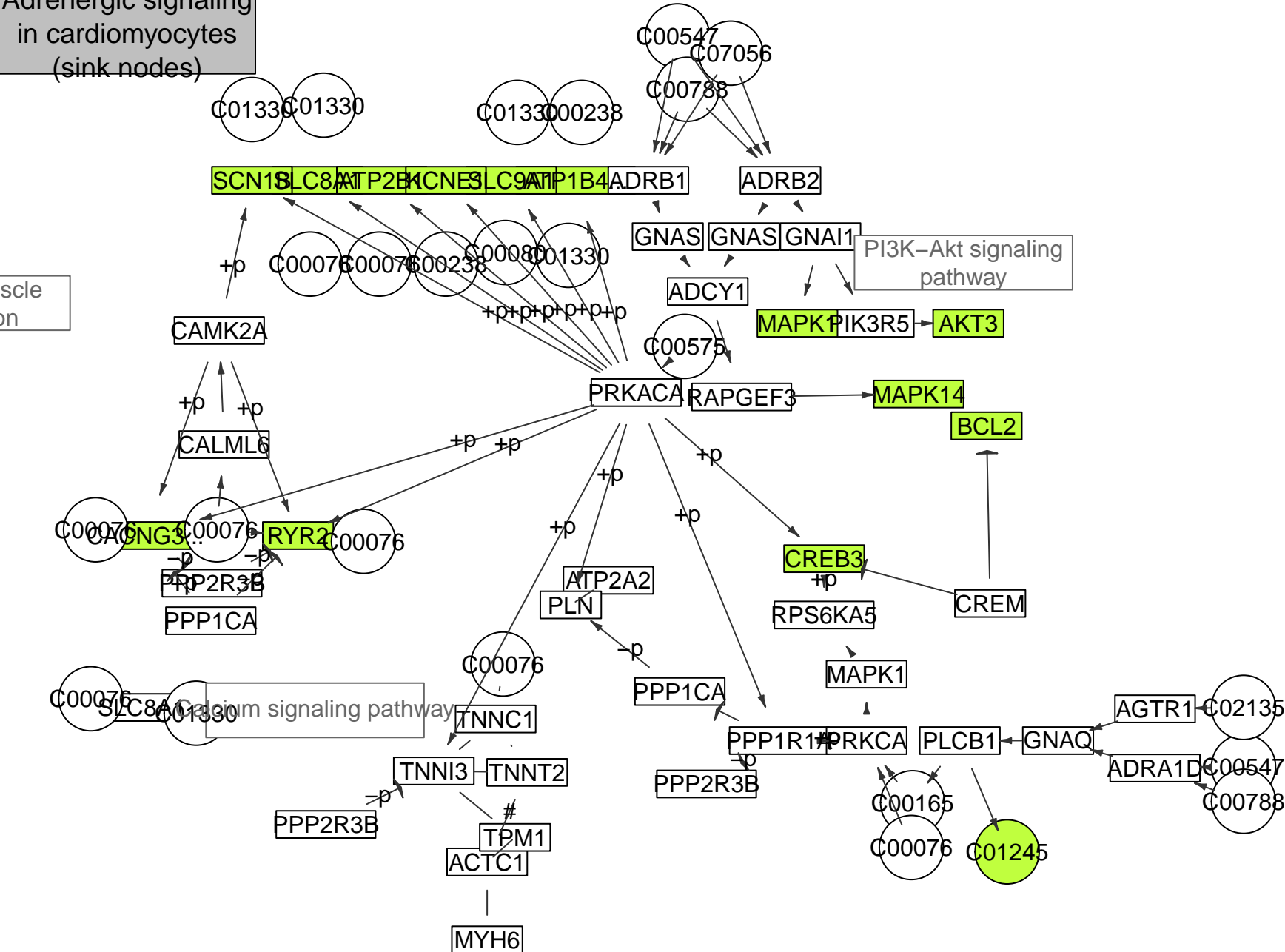


Adrenergic signaling in cardiomyocytes (sink nodes)

Cardiac muscle contraction

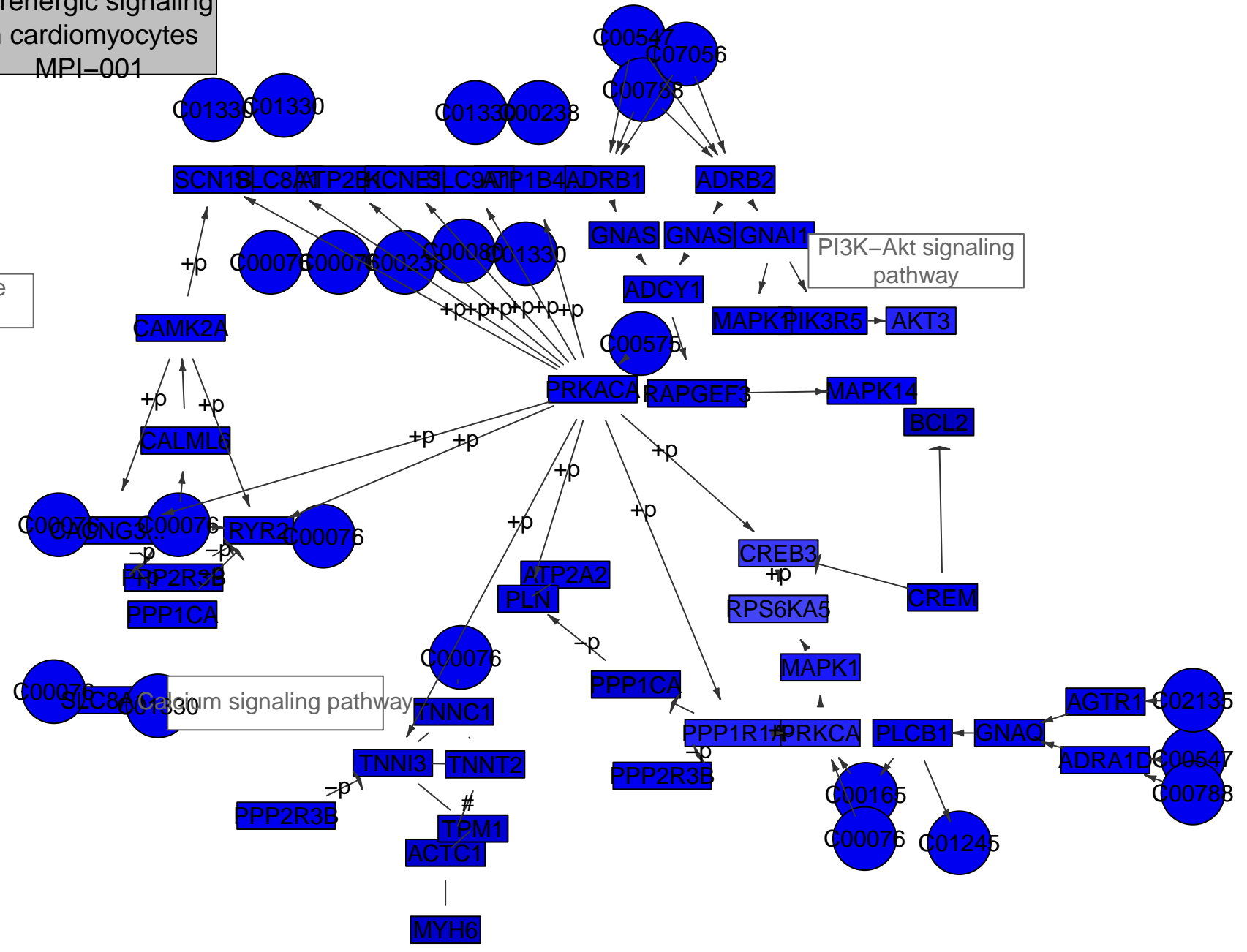
Calcium signaling pathway

PI3K-Akt signaling pathway



Adrenergic signaling  
in cardiomyocytes  
MPI-001

Cardiac muscle  
contraction

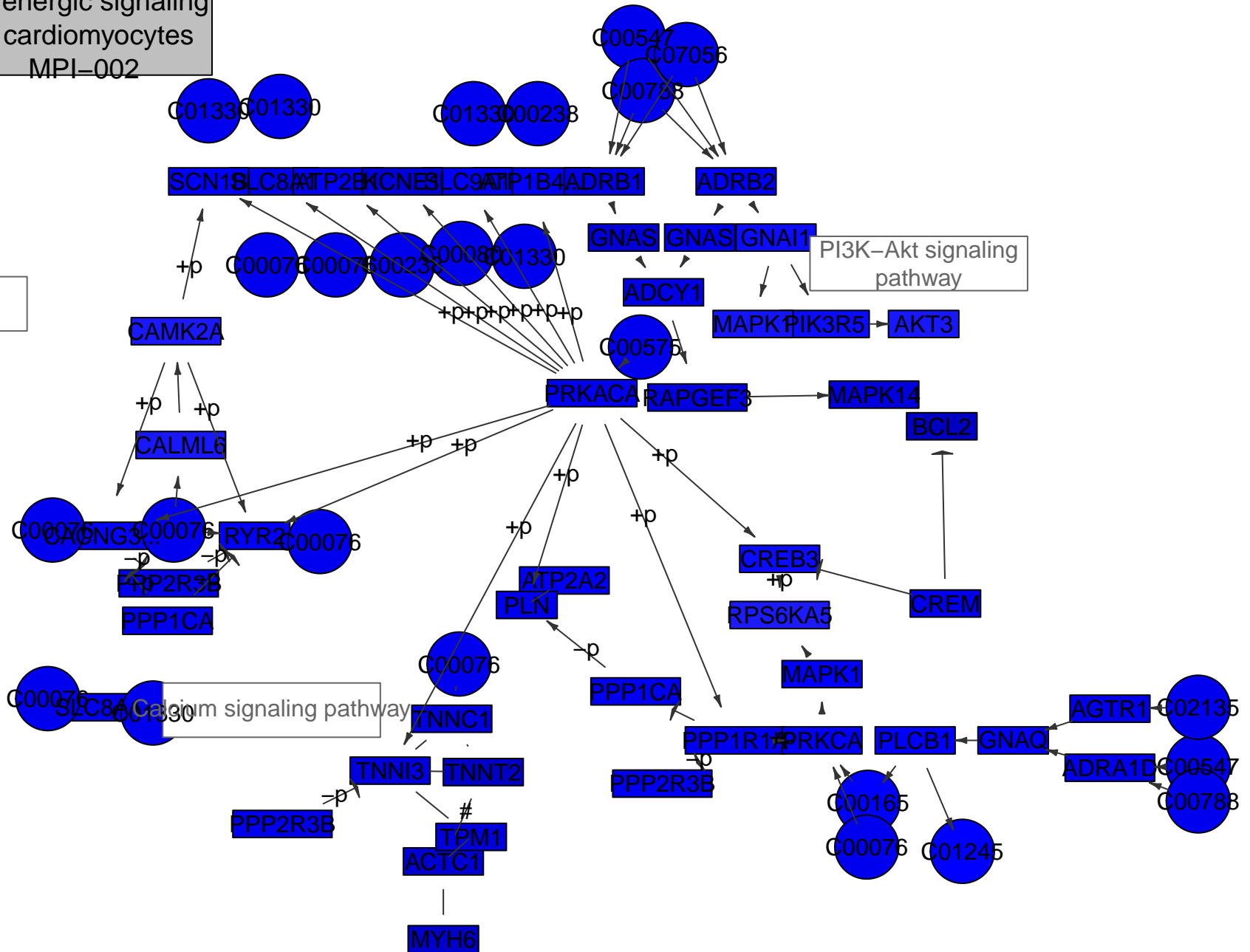


PI3K-Akt signaling  
pathway

Calcium signaling pathway

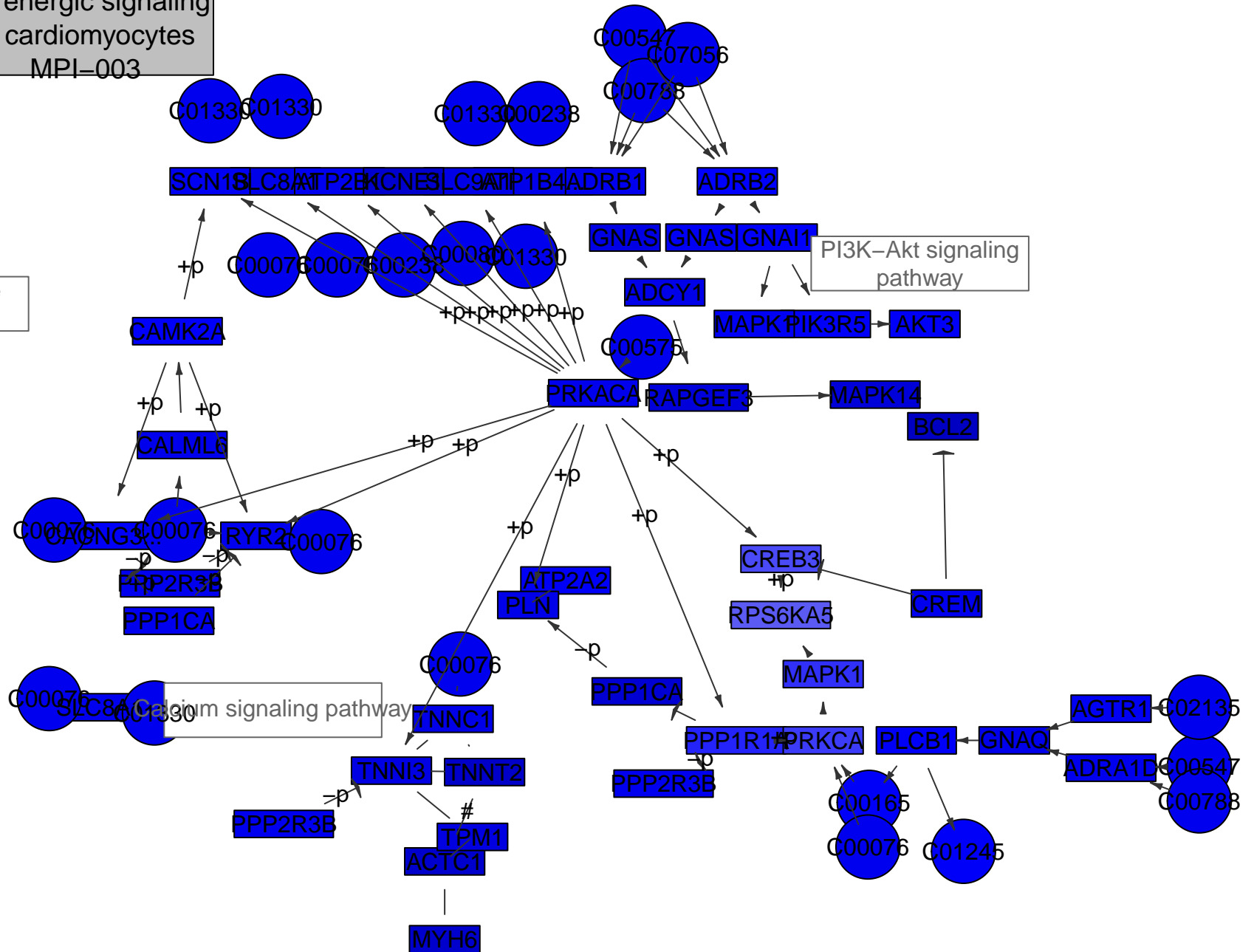
Adrenergic signaling  
in cardiomyocytes  
MPI-002

Cardiac muscle  
contraction



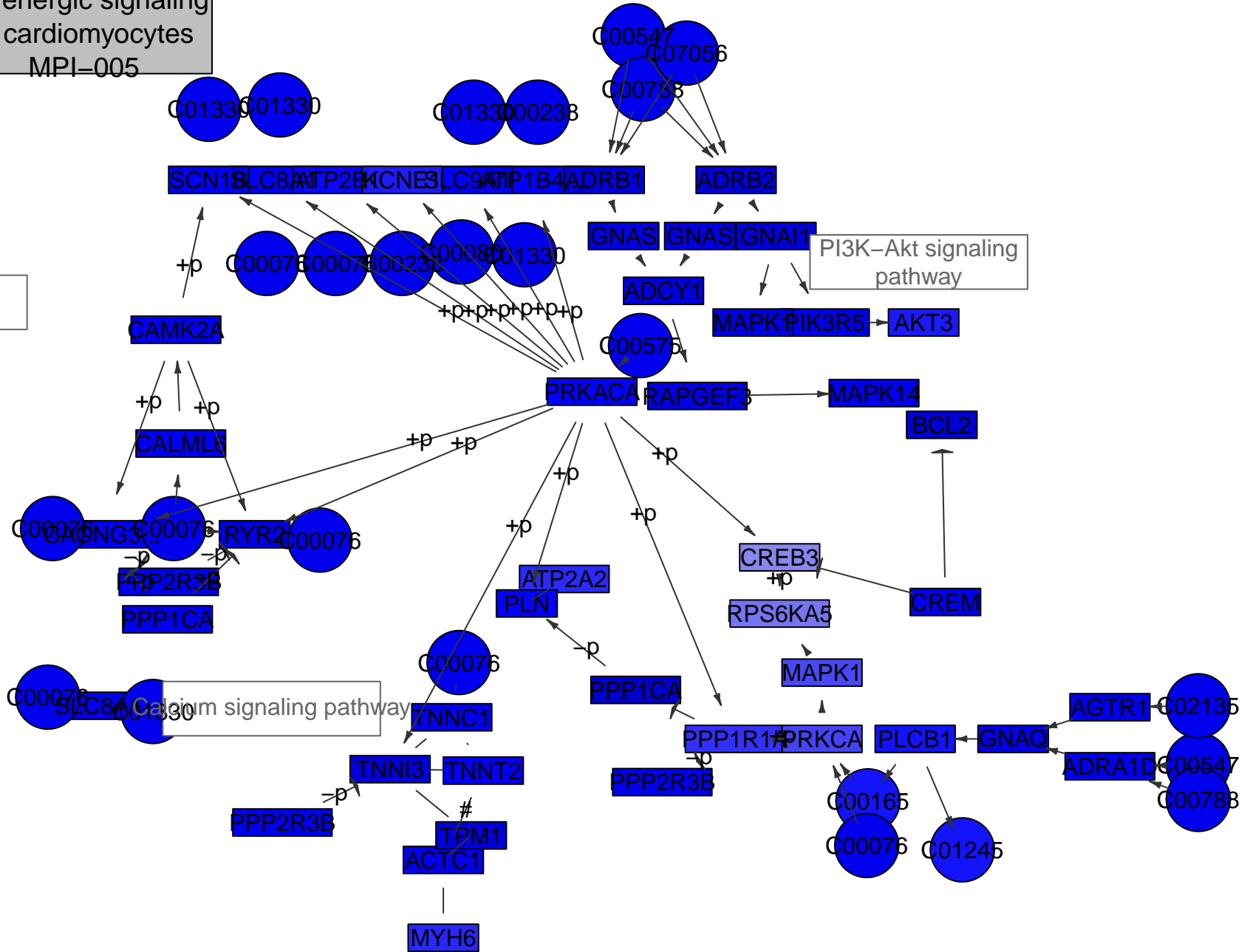
Adrenergic signaling  
in cardiomyocytes  
MPI-003

Cardiac muscle  
contraction



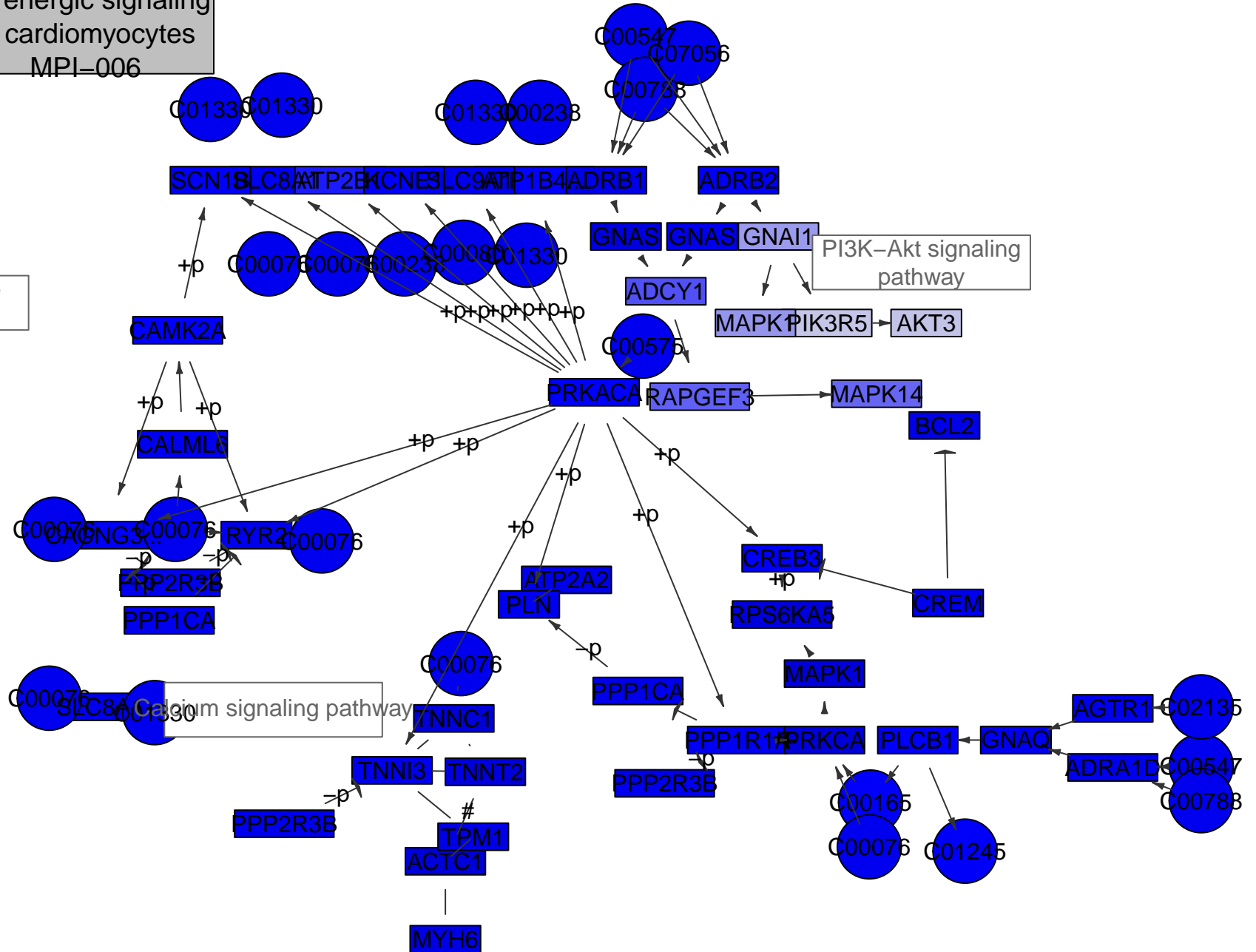
Adrenergic signaling  
in cardiomyocytes  
MPI-005

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-006

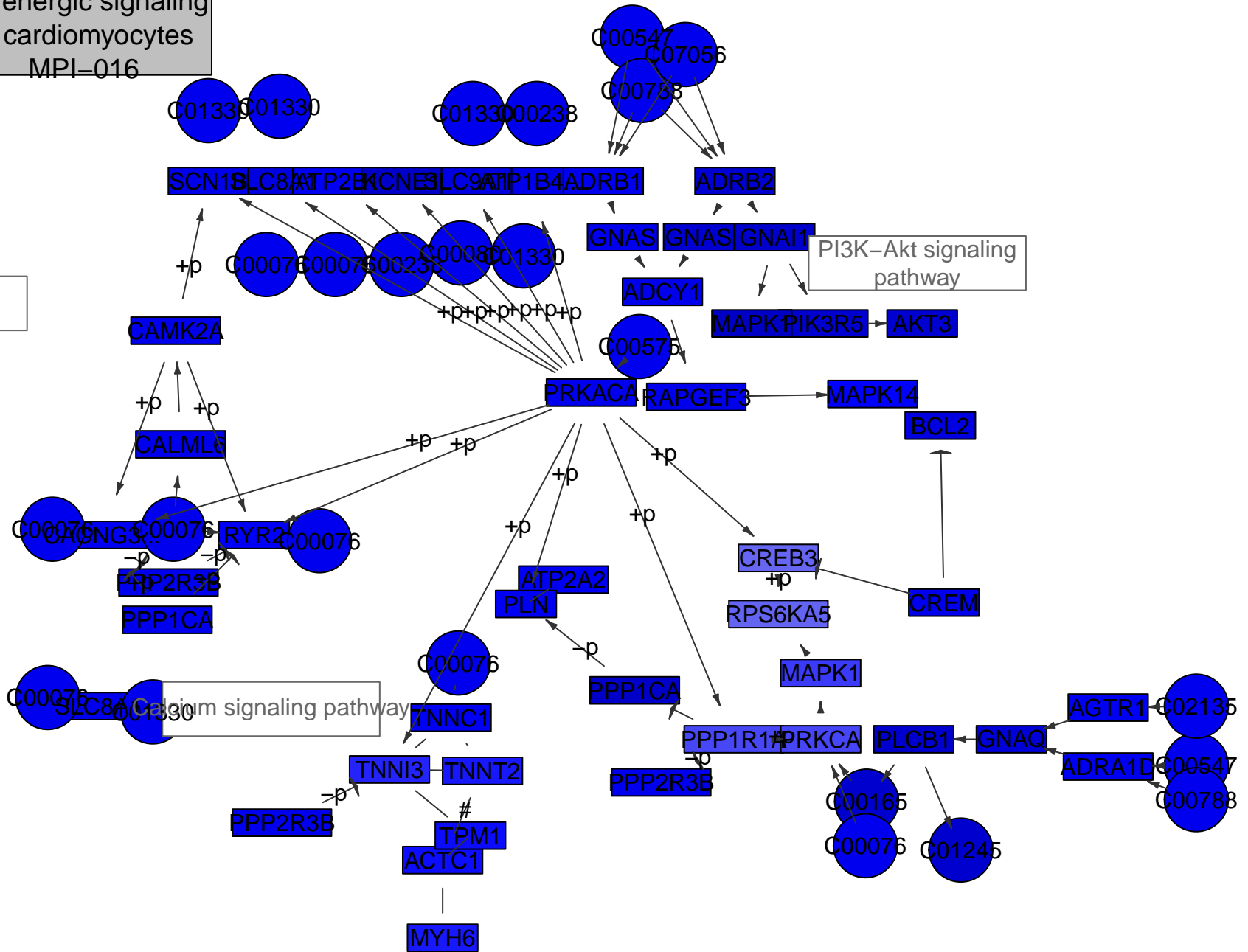
Cardiac muscle  
contraction





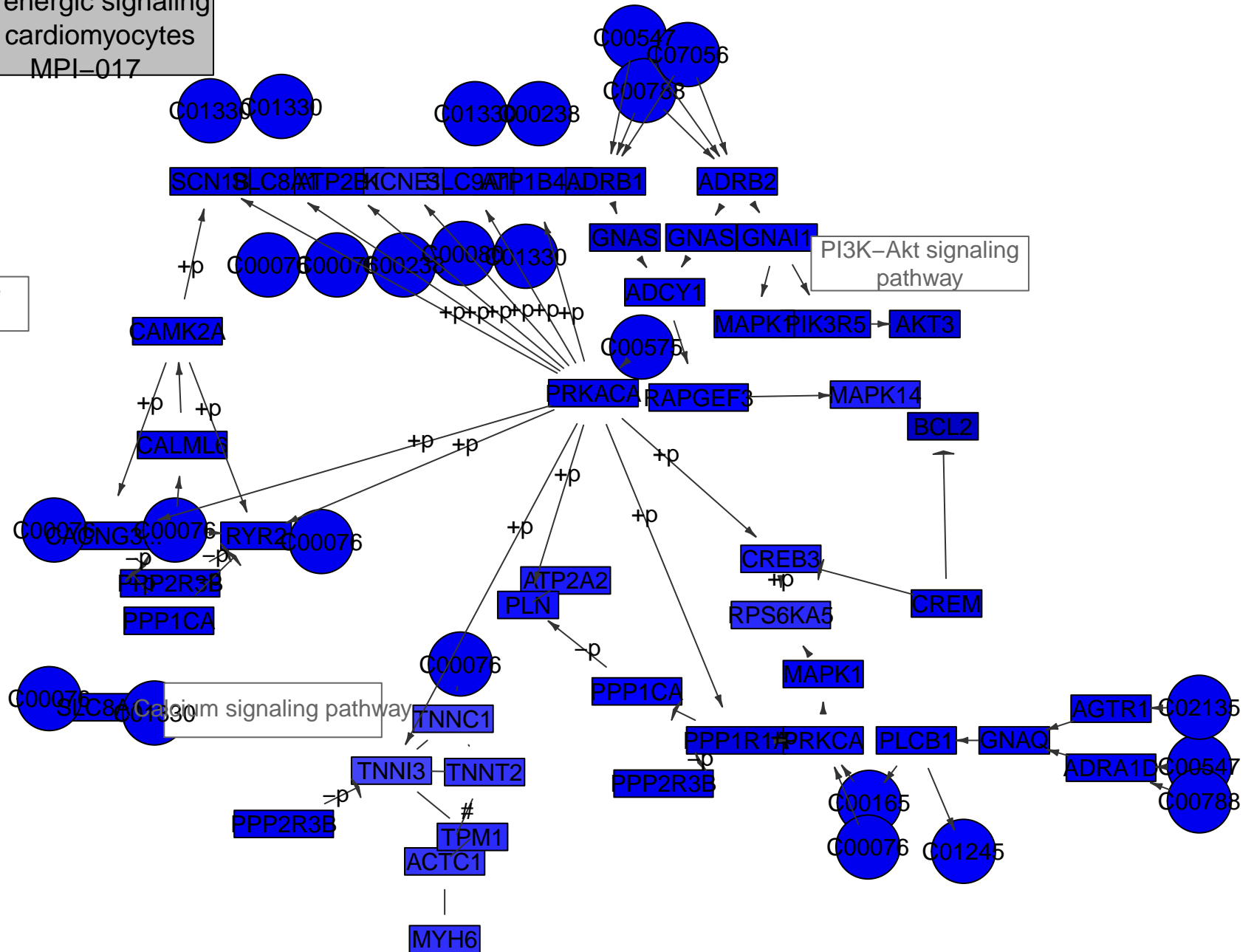
Adrenergic signaling  
in cardiomyocytes  
MPI-016

Cardiac muscle  
contraction



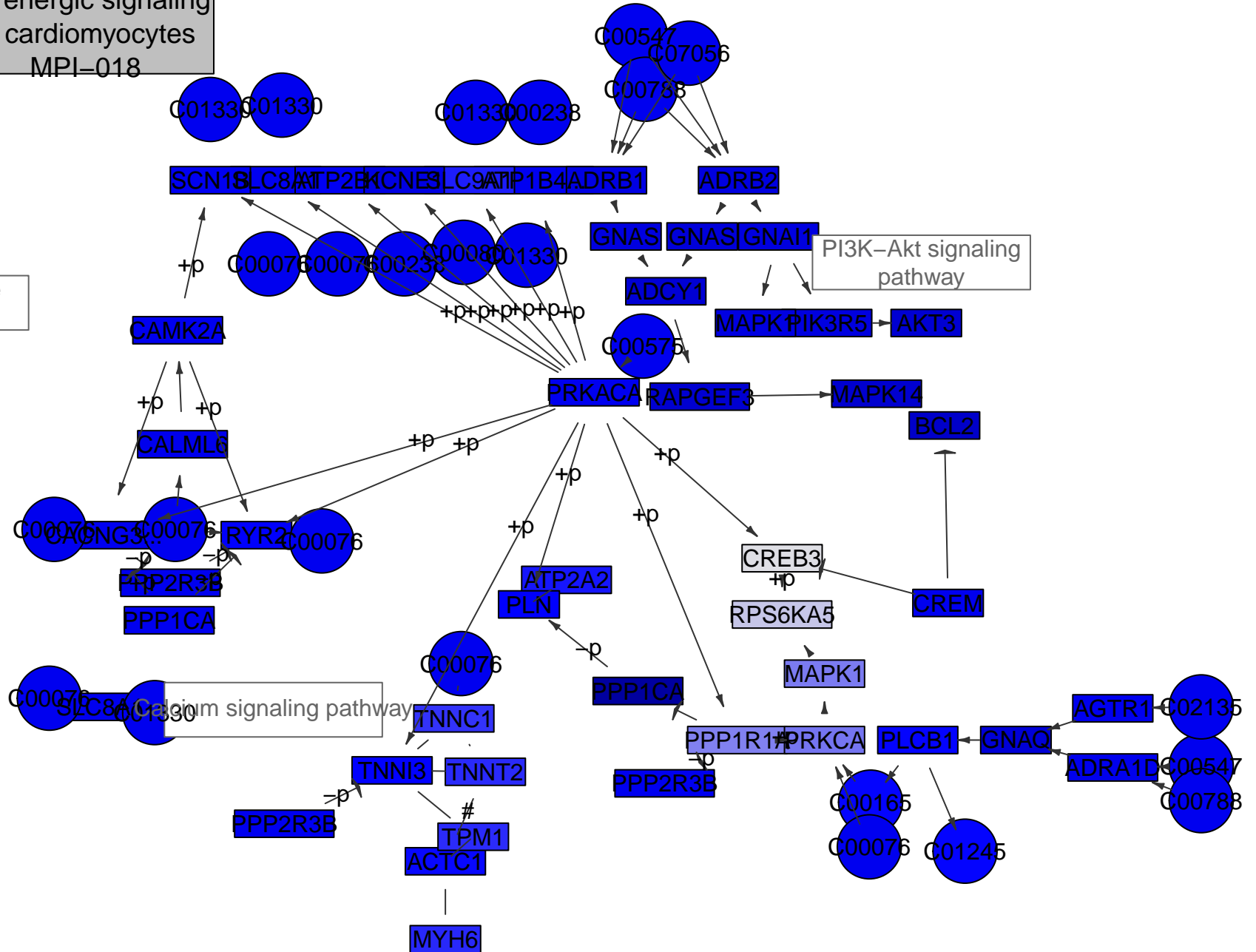
Adrenergic signaling  
in cardiomyocytes  
MPI-017

Cardiac muscle  
contraction



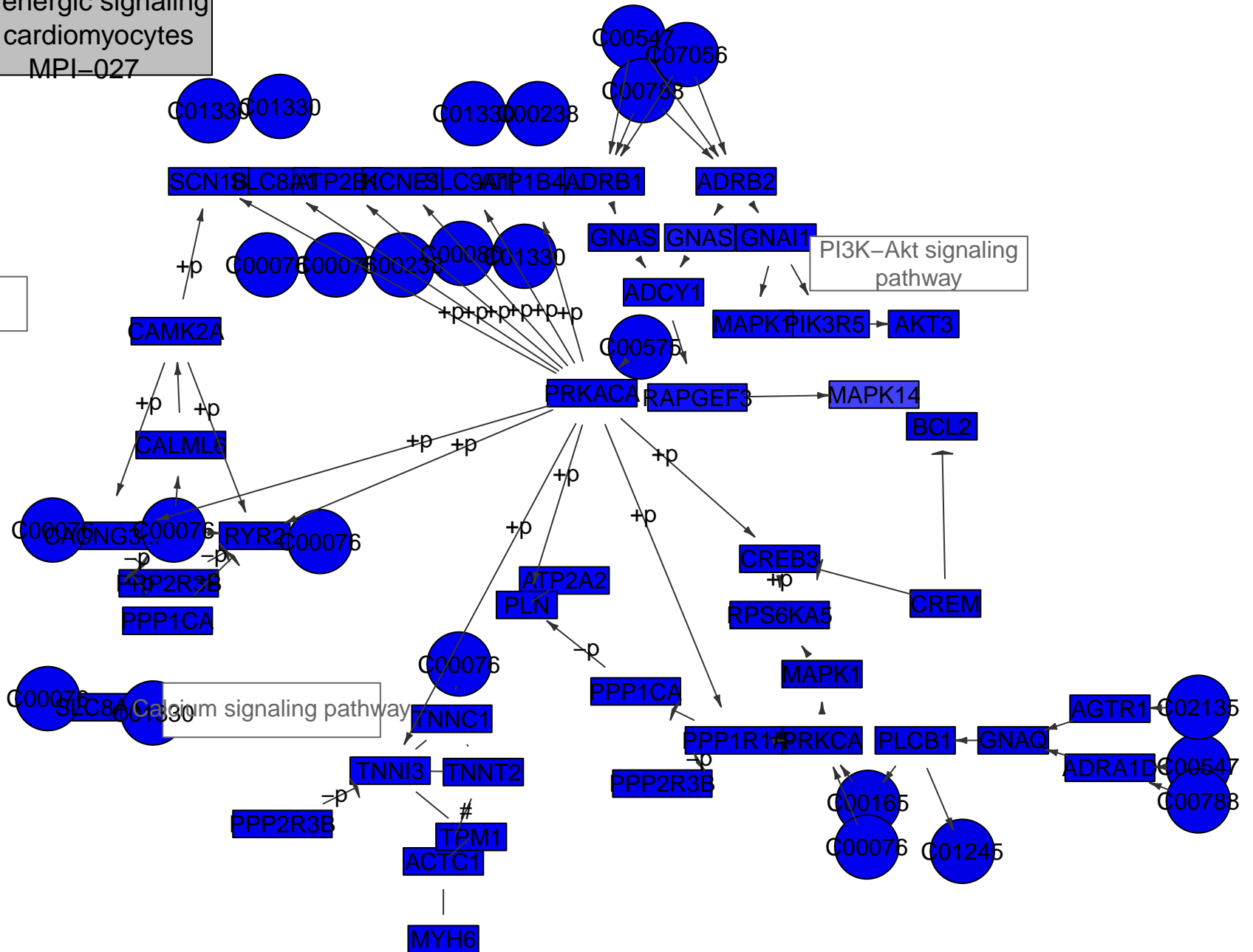
Adrenergic signaling  
in cardiomyocytes  
MPI-018

Cardiac muscle  
contraction



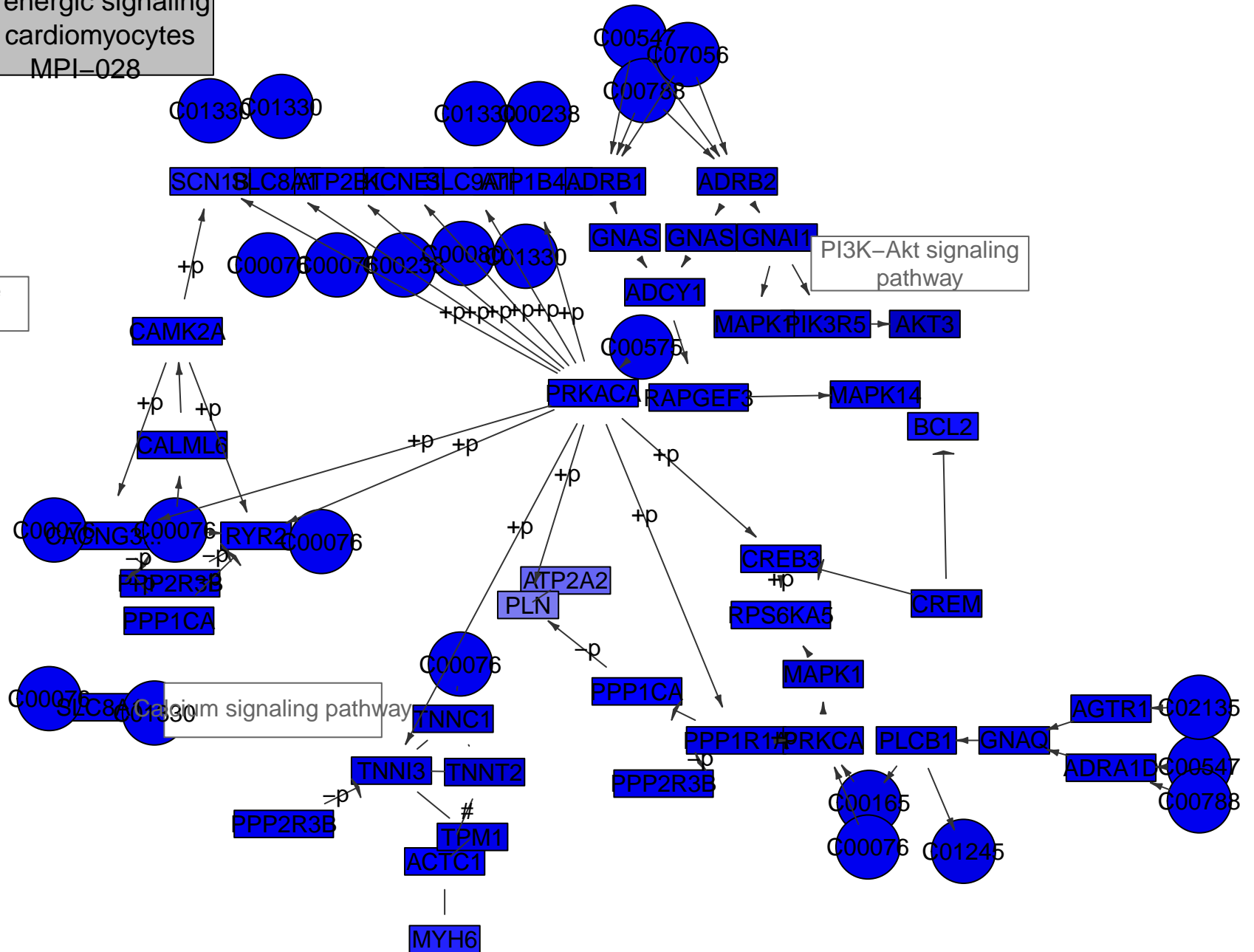
Adrenergic signaling  
in cardiomyocytes  
MPI-027

Cardiac muscle  
contraction



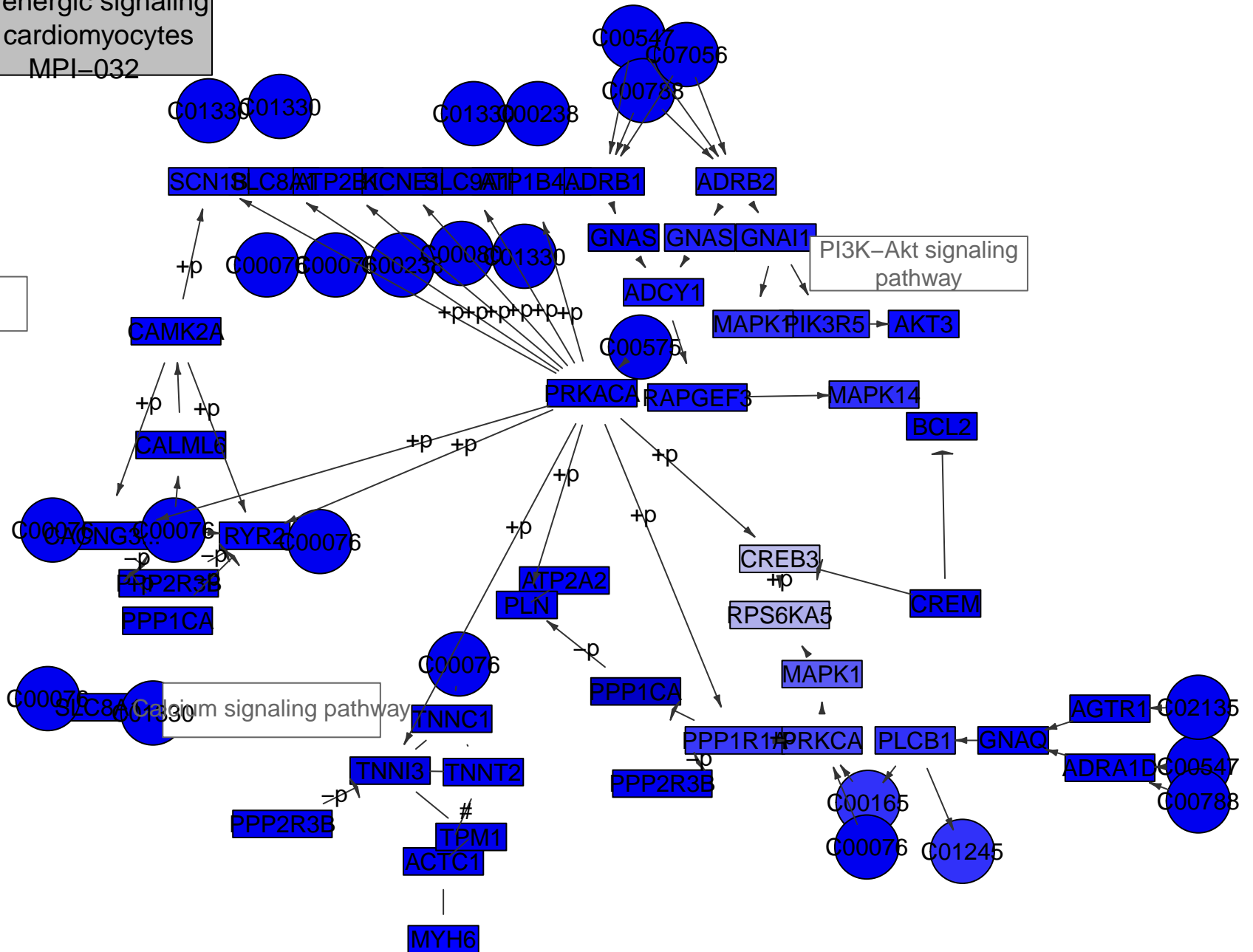
Adrenergic signaling  
in cardiomyocytes  
MPI-028

Cardiac muscle  
contraction



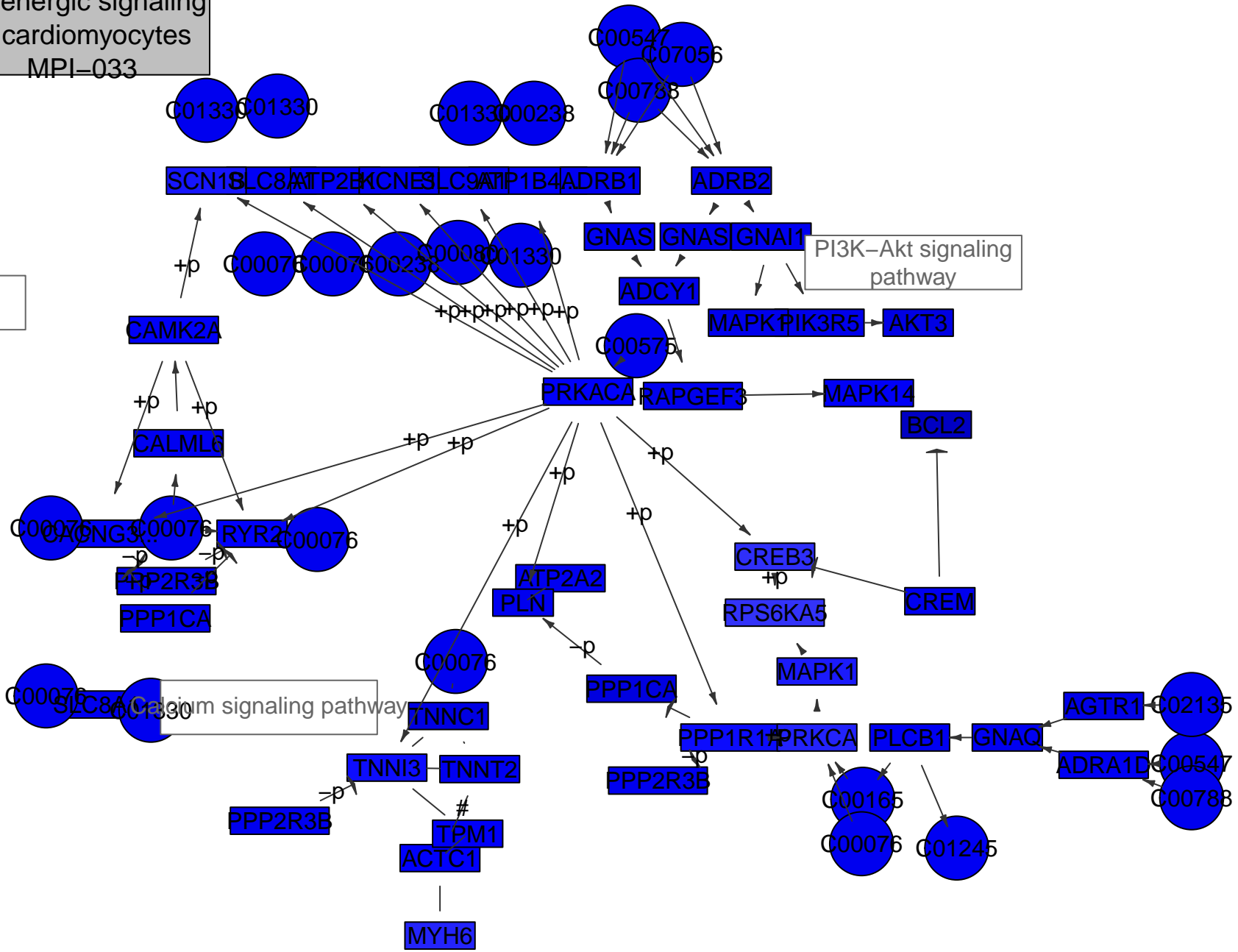
Adrenergic signaling  
in cardiomyocytes  
MPI-032

Cardiac muscle  
contraction



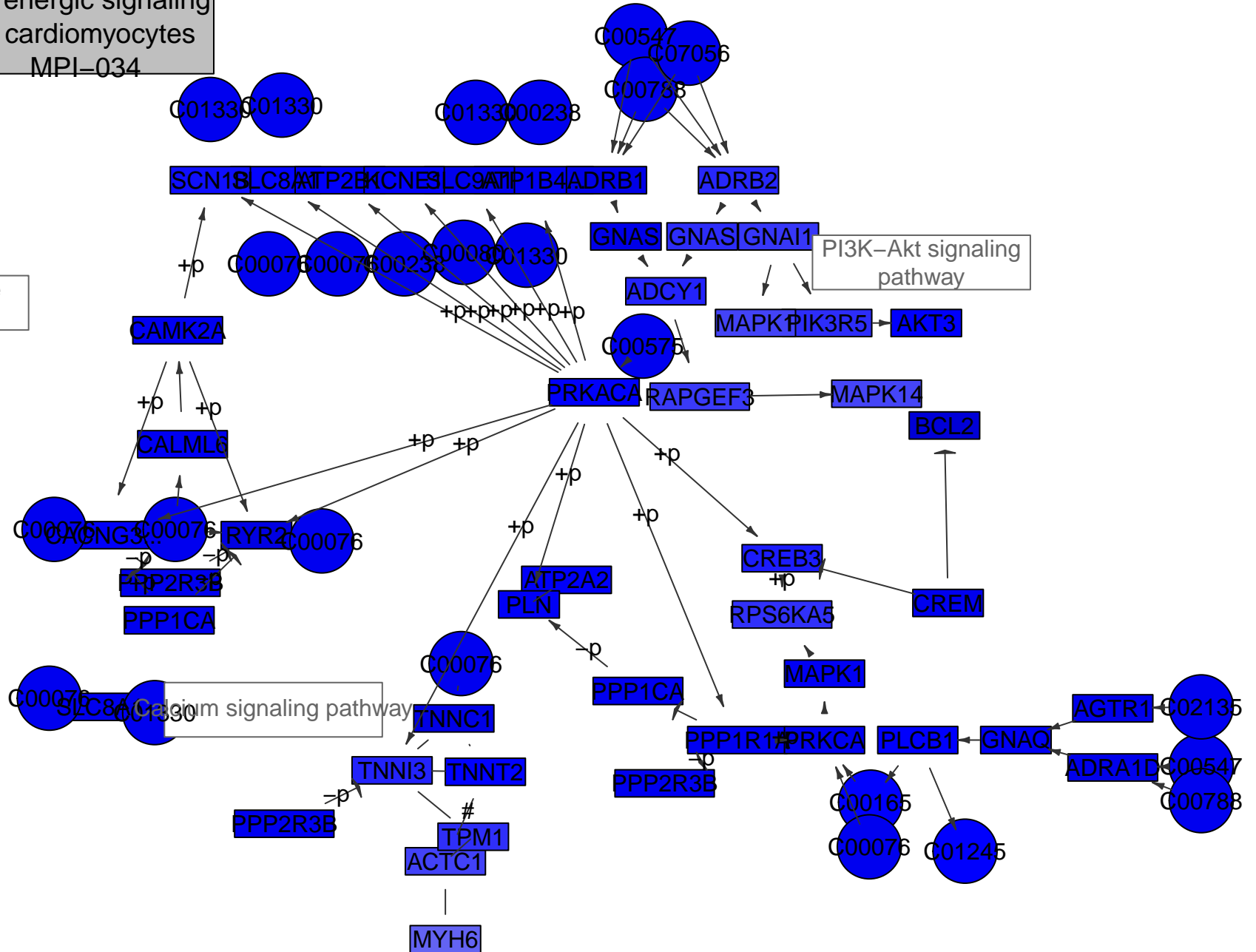
Adrenergic signaling  
in cardiomyocytes  
MPI-033

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-034

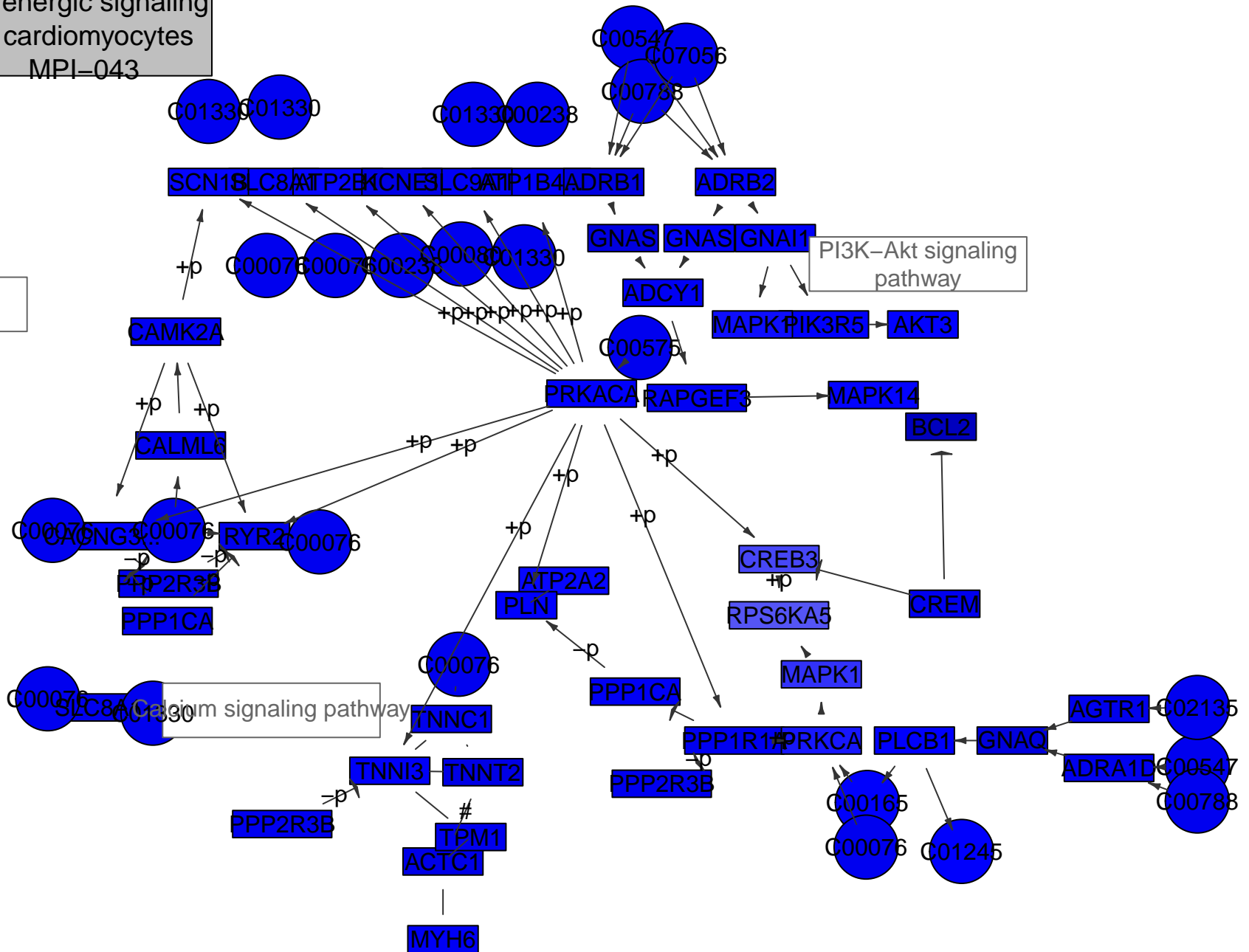
Cardiac muscle  
contraction





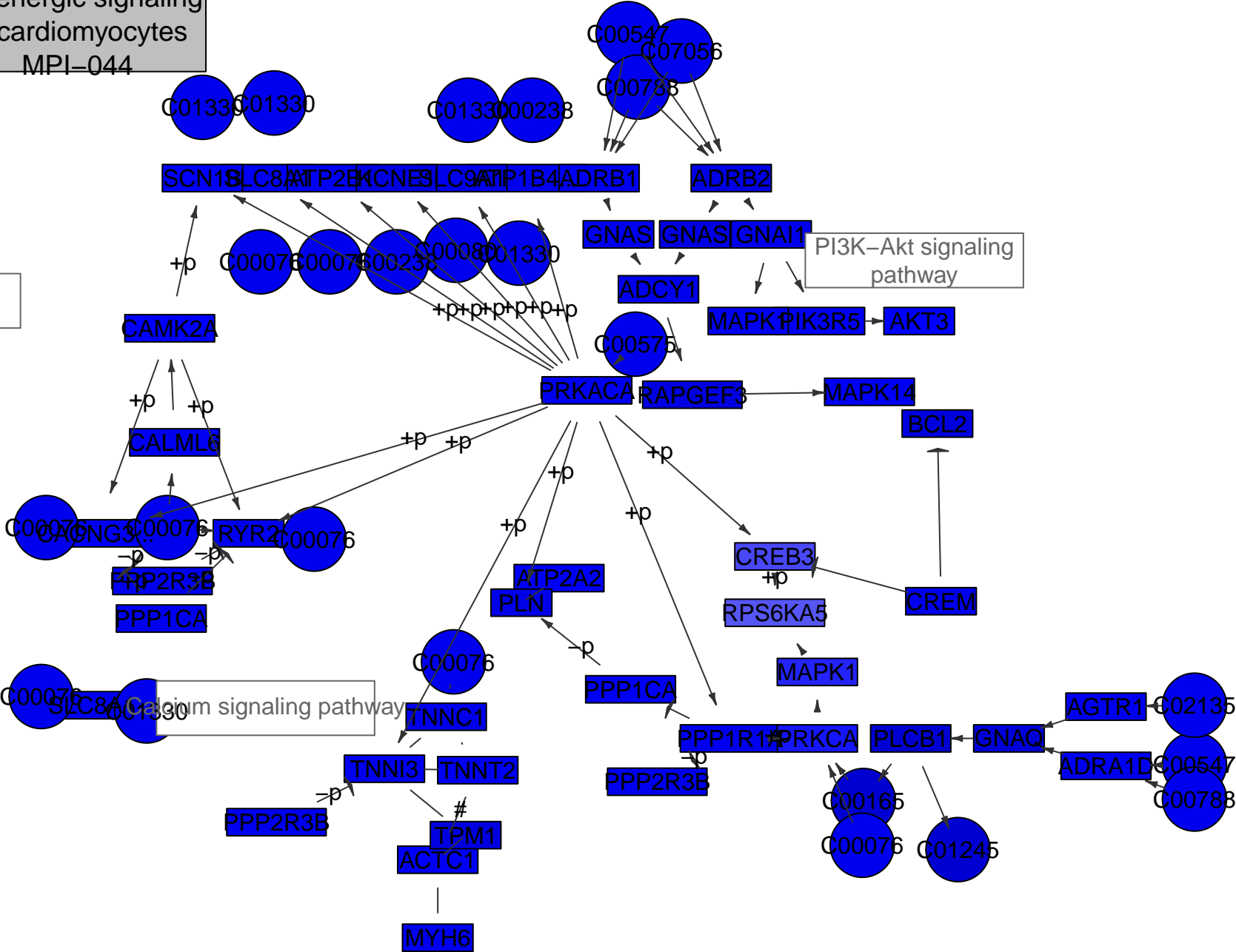
Adrenergic signaling  
in cardiomyocytes  
MPI-043

Cardiac muscle  
contraction



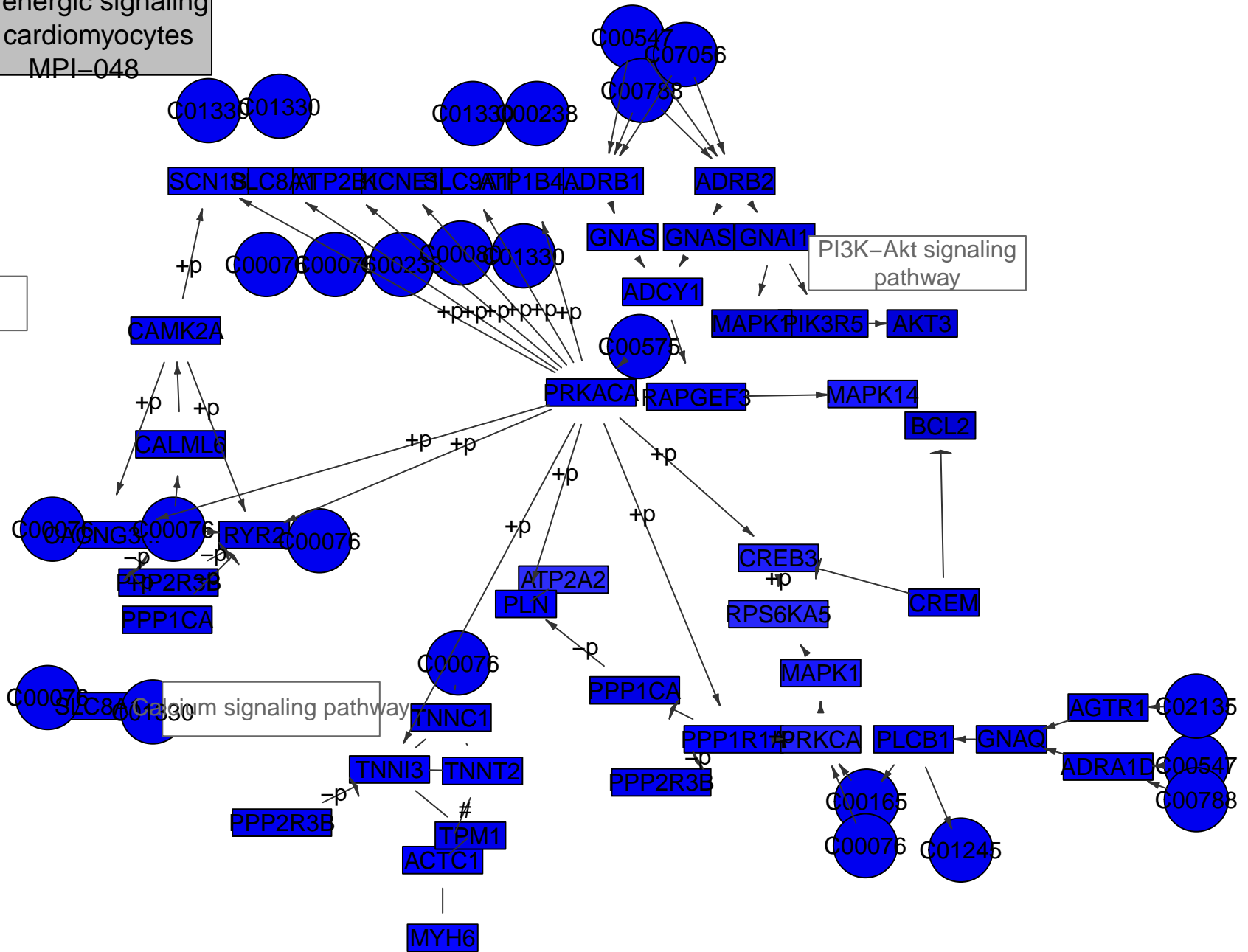
Adrenergic signaling  
in cardiomyocytes  
MPI-044

Cardiac muscle  
contraction



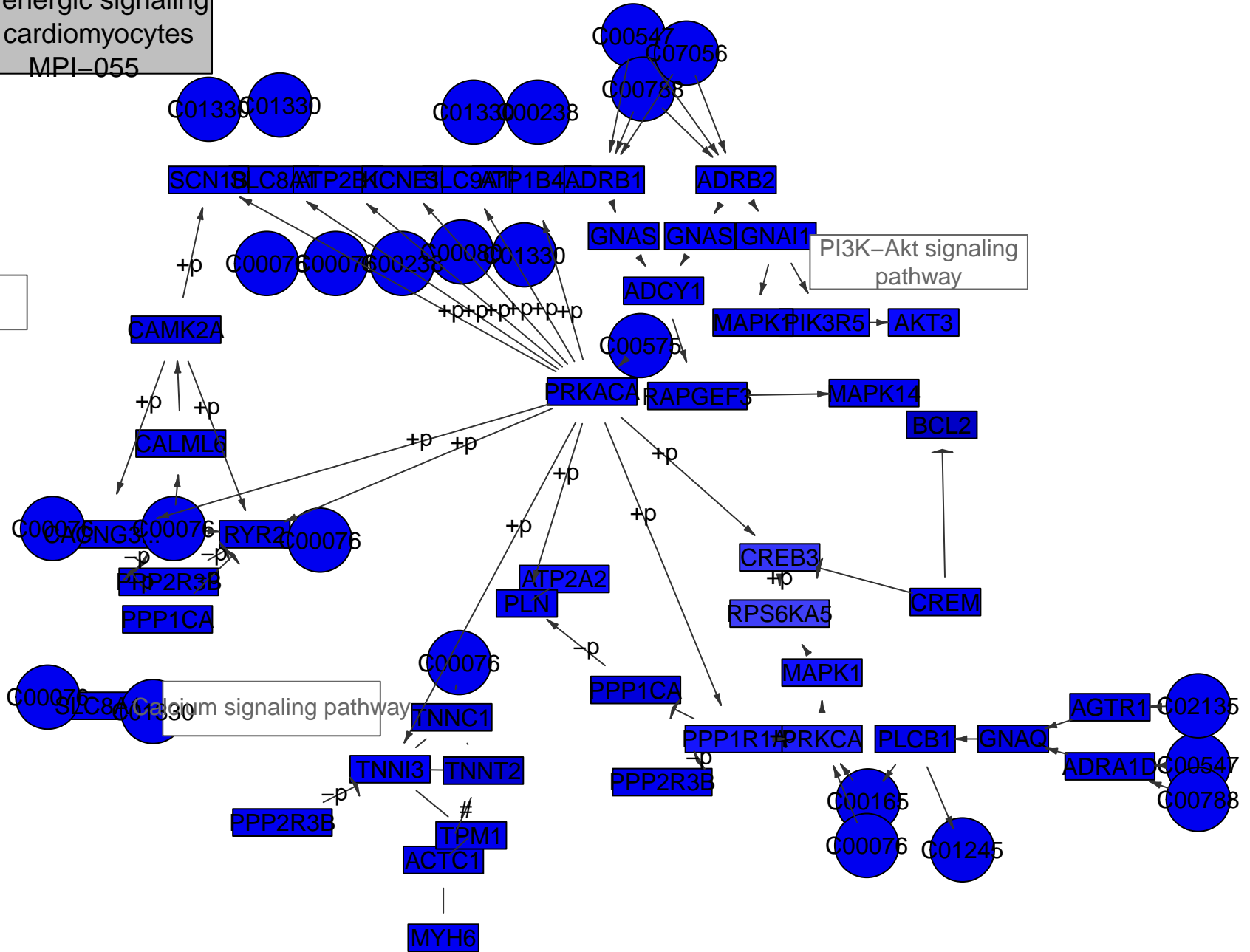
Adrenergic signaling  
in cardiomyocytes  
MPI-048

Cardiac muscle  
contraction



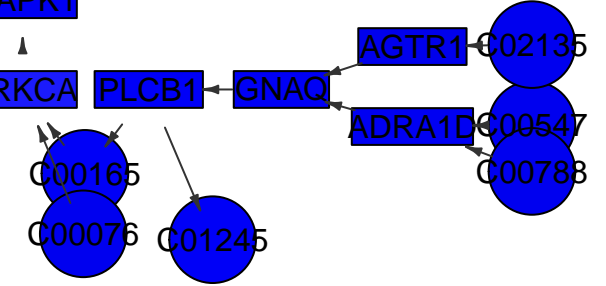
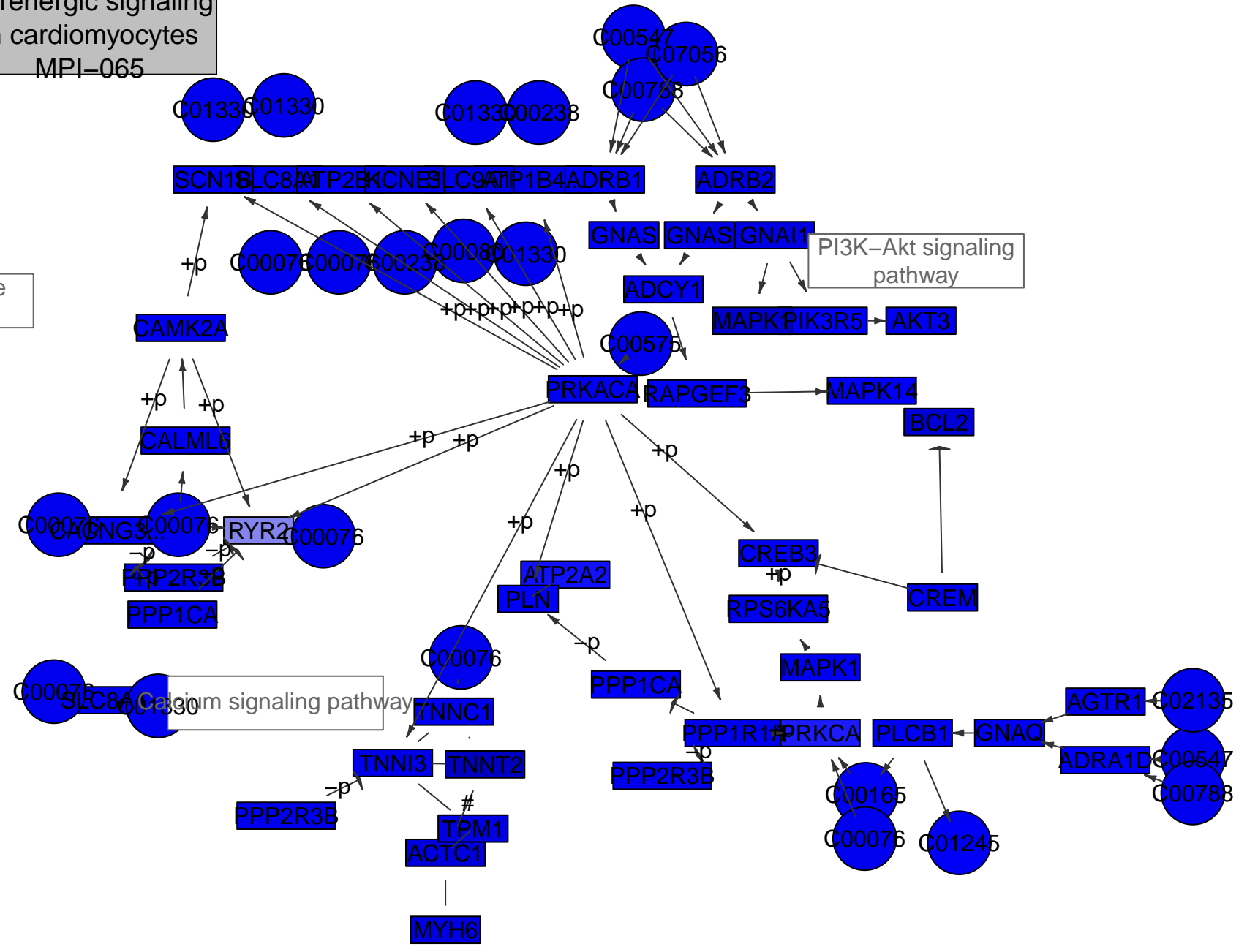
Adrenergic signaling  
in cardiomyocytes  
MPI-055

Cardiac muscle  
contraction



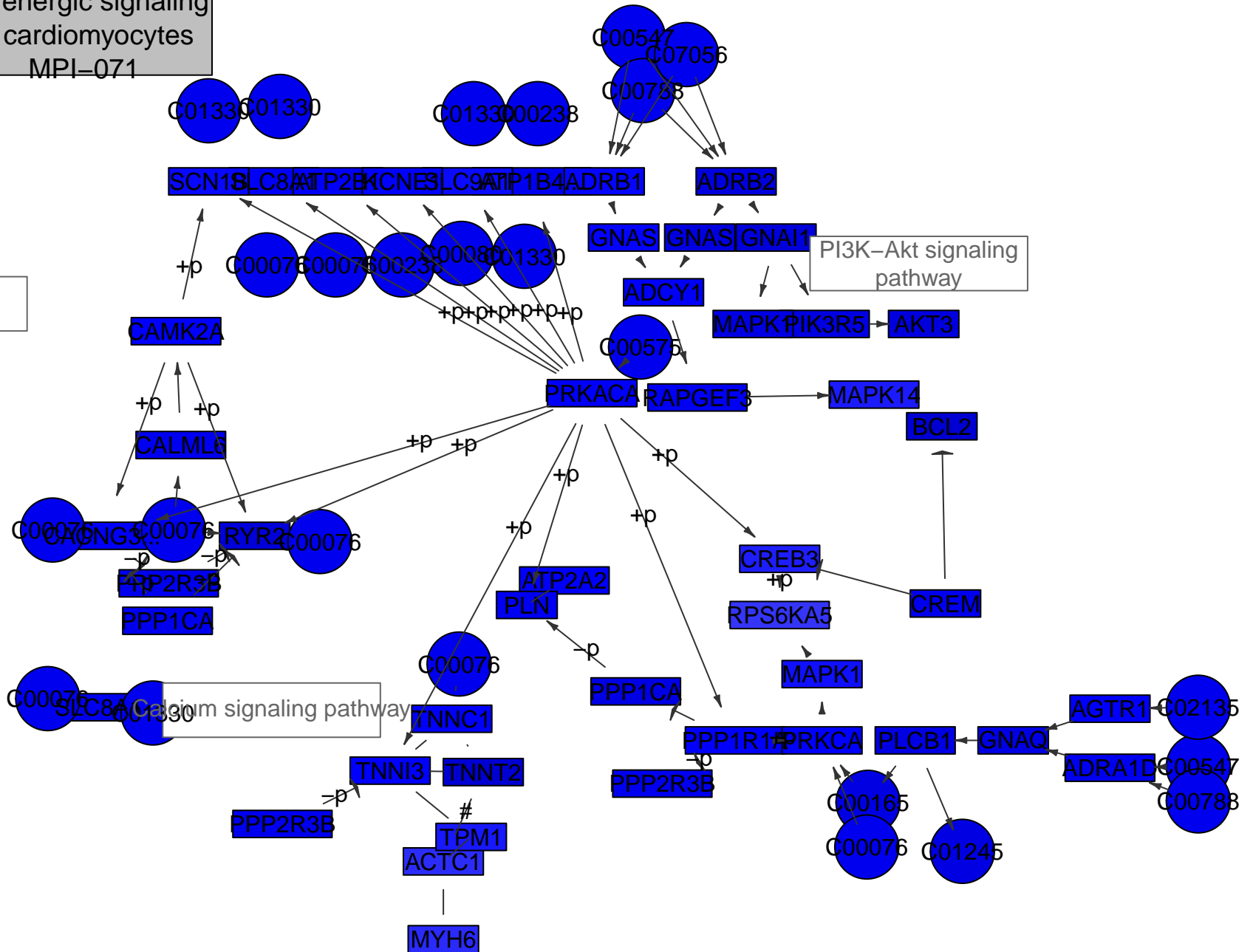
Adrenergic signaling  
in cardiomyocytes  
MPI-065

Cardiac muscle  
contraction



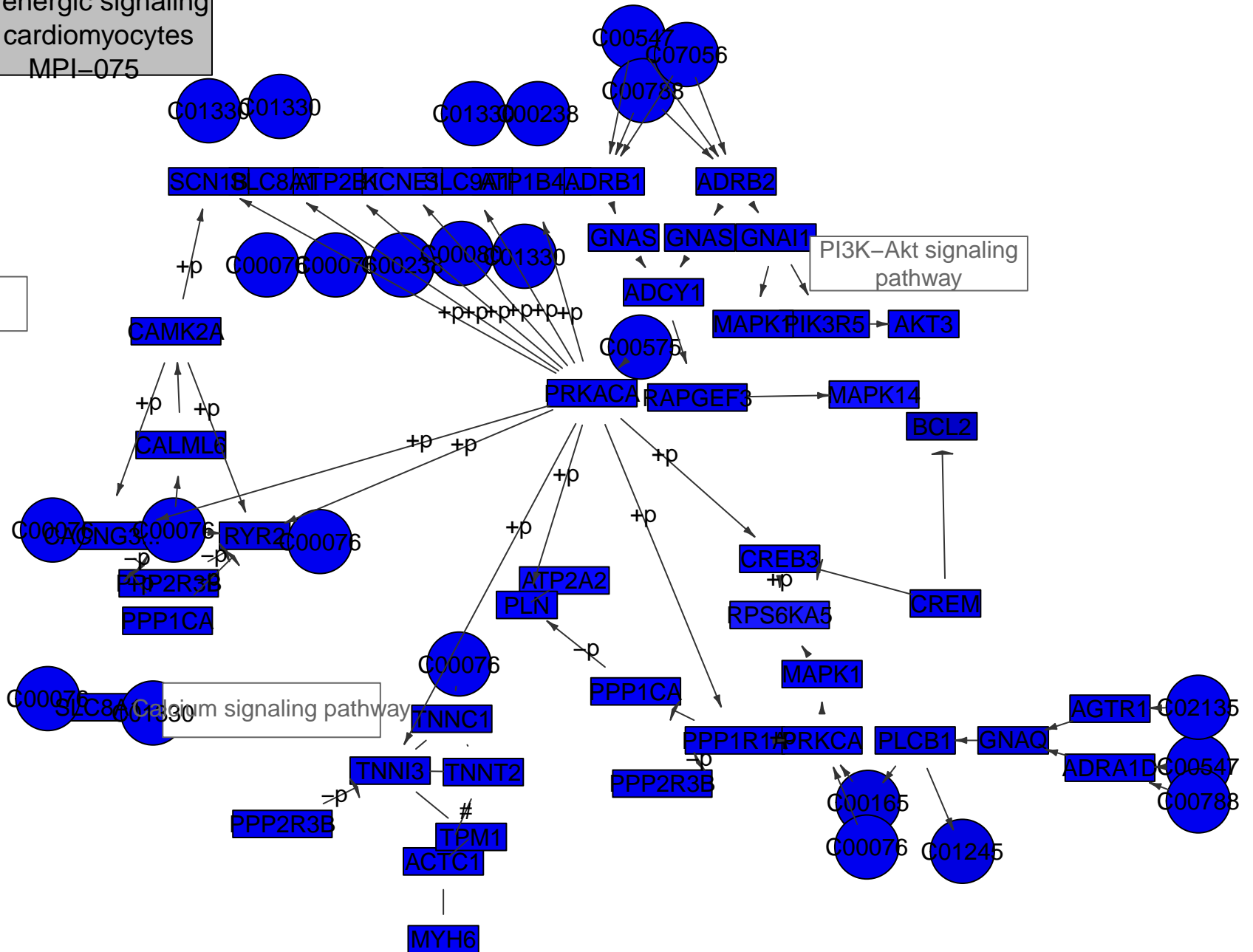
Adrenergic signaling  
in cardiomyocytes  
MPI-071

Cardiac muscle  
contraction



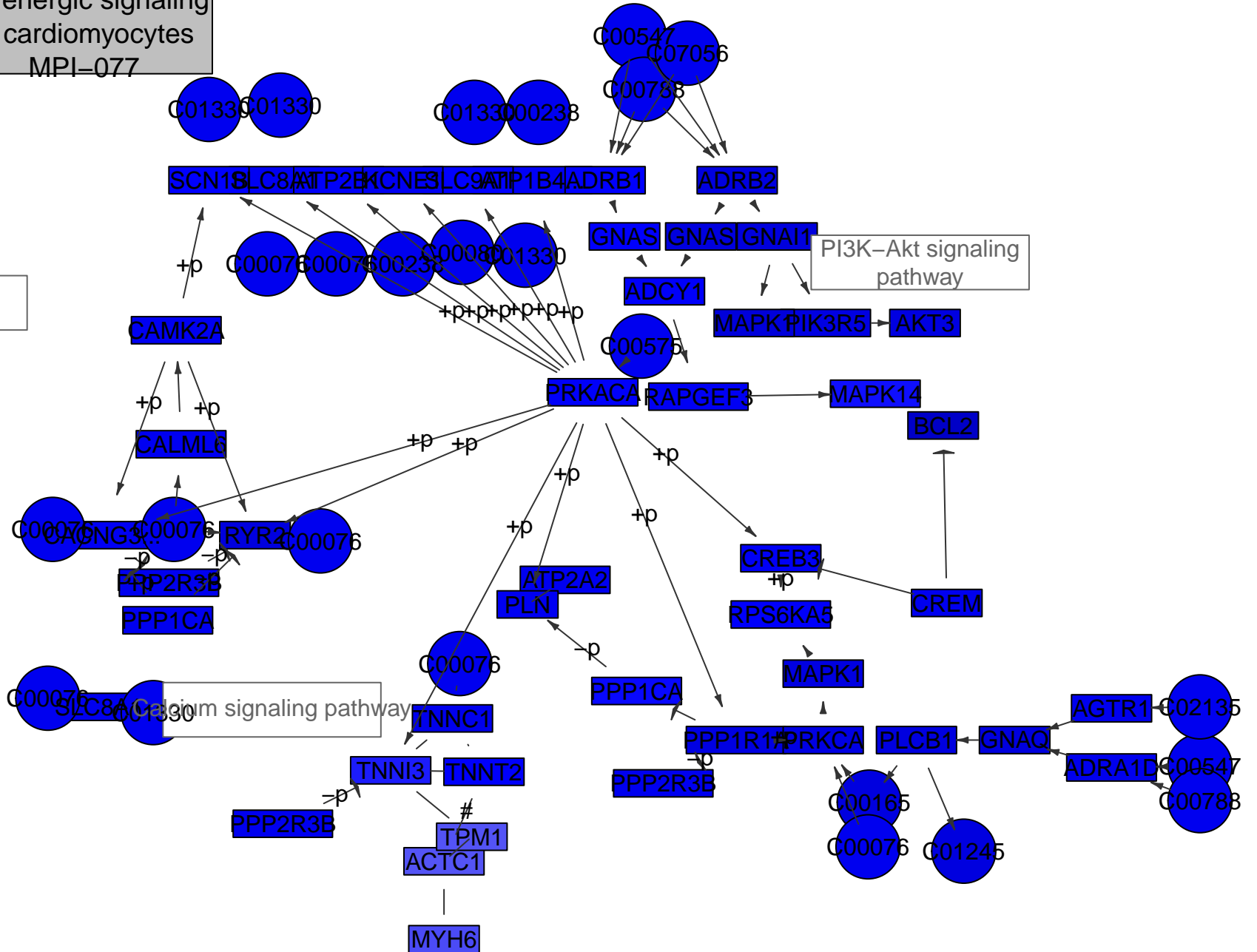
Adrenergic signaling  
in cardiomyocytes  
MPI-075

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-077

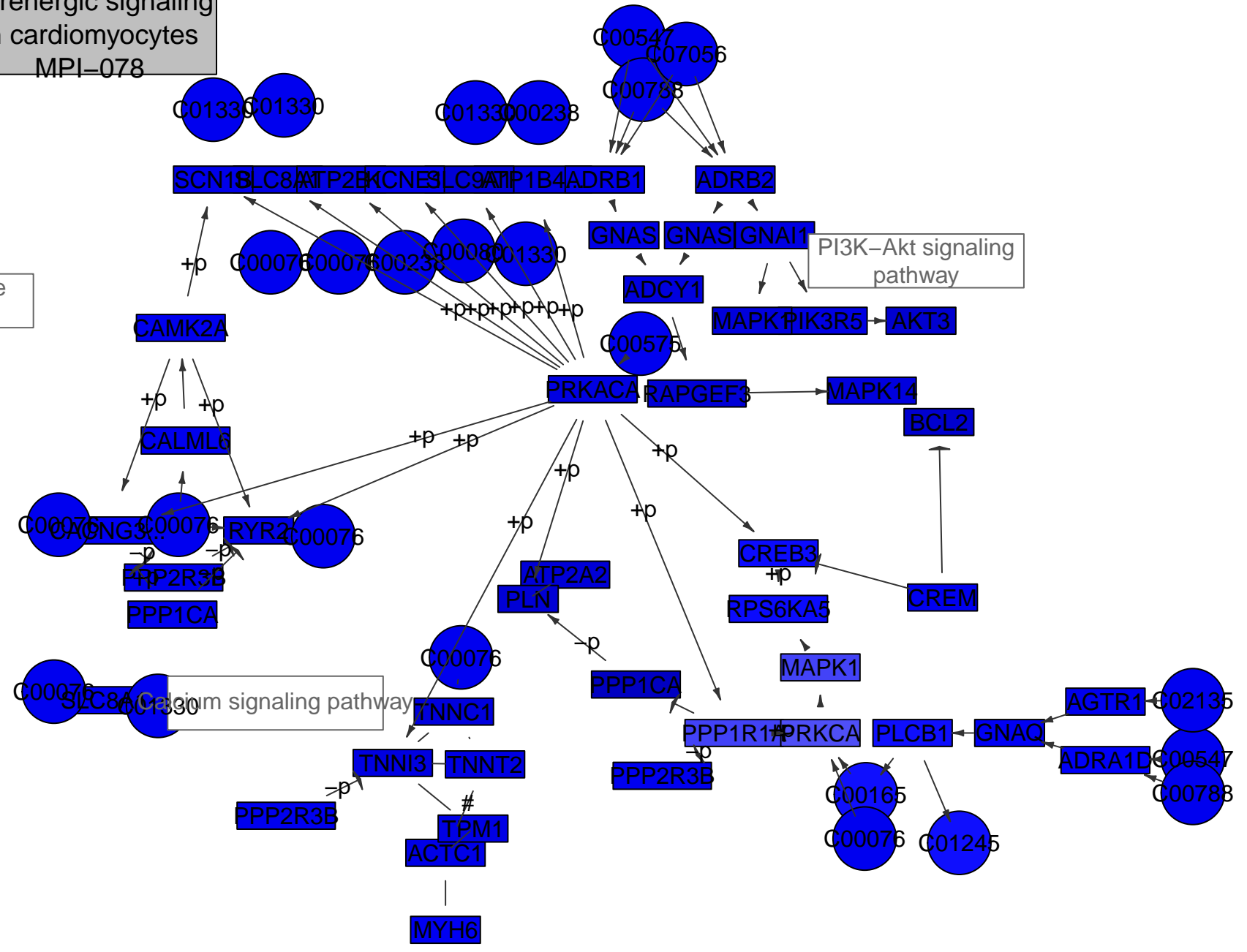
Cardiac muscle  
contraction





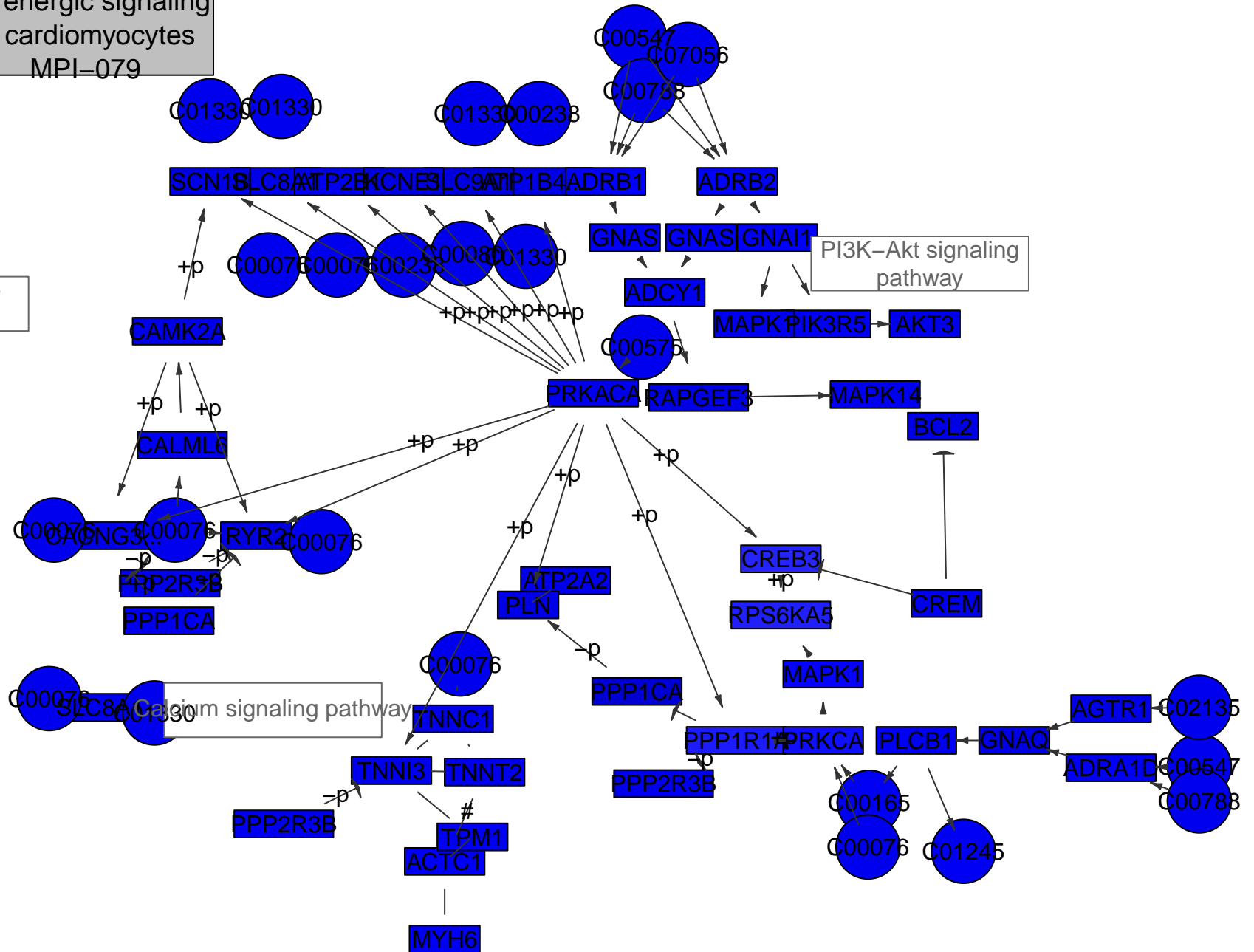
Adrenergic signaling  
in cardiomyocytes  
MPI-078

Cardiac muscle  
contraction



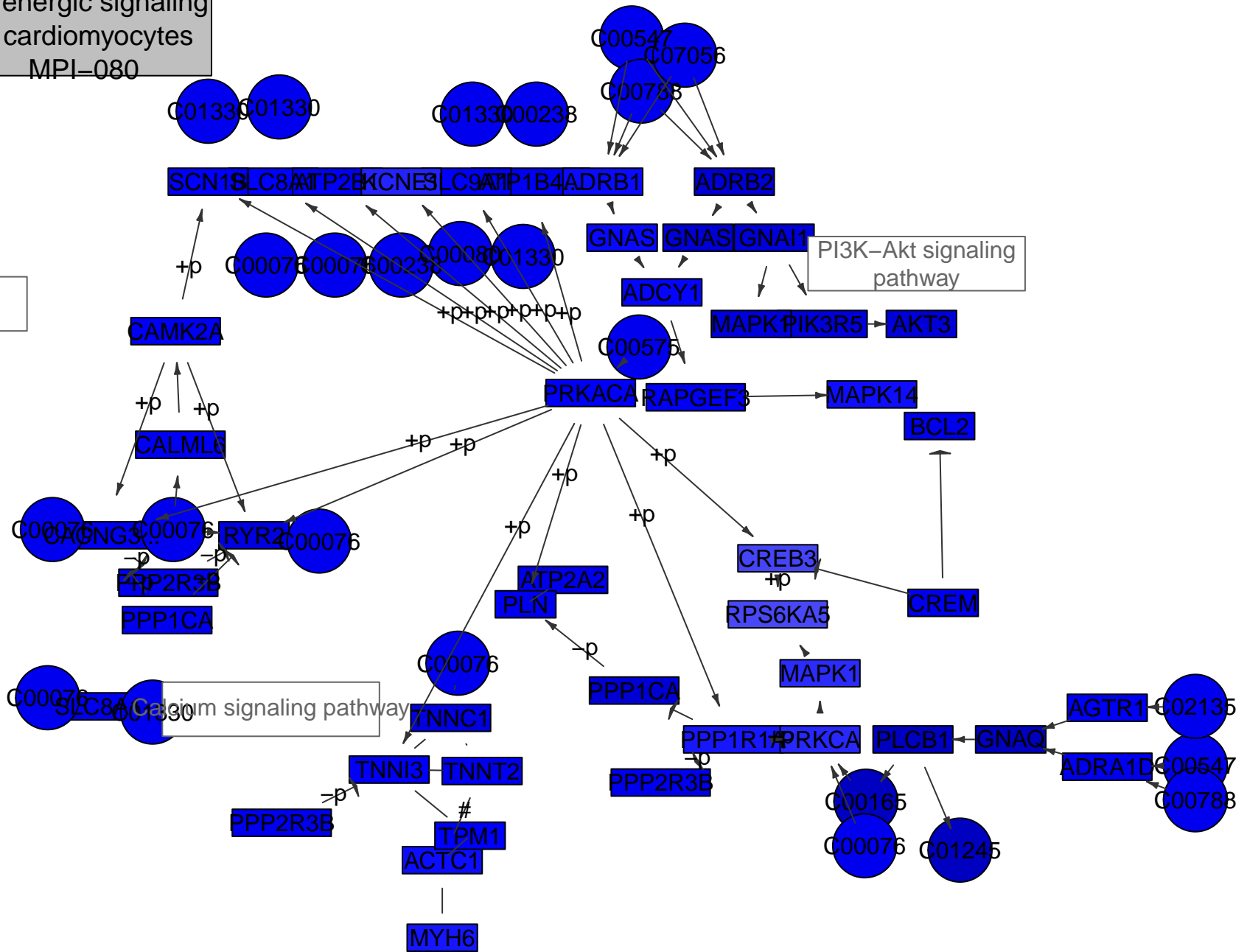
Adrenergic signaling  
in cardiomyocytes  
MPI-079

Cardiac muscle  
contraction



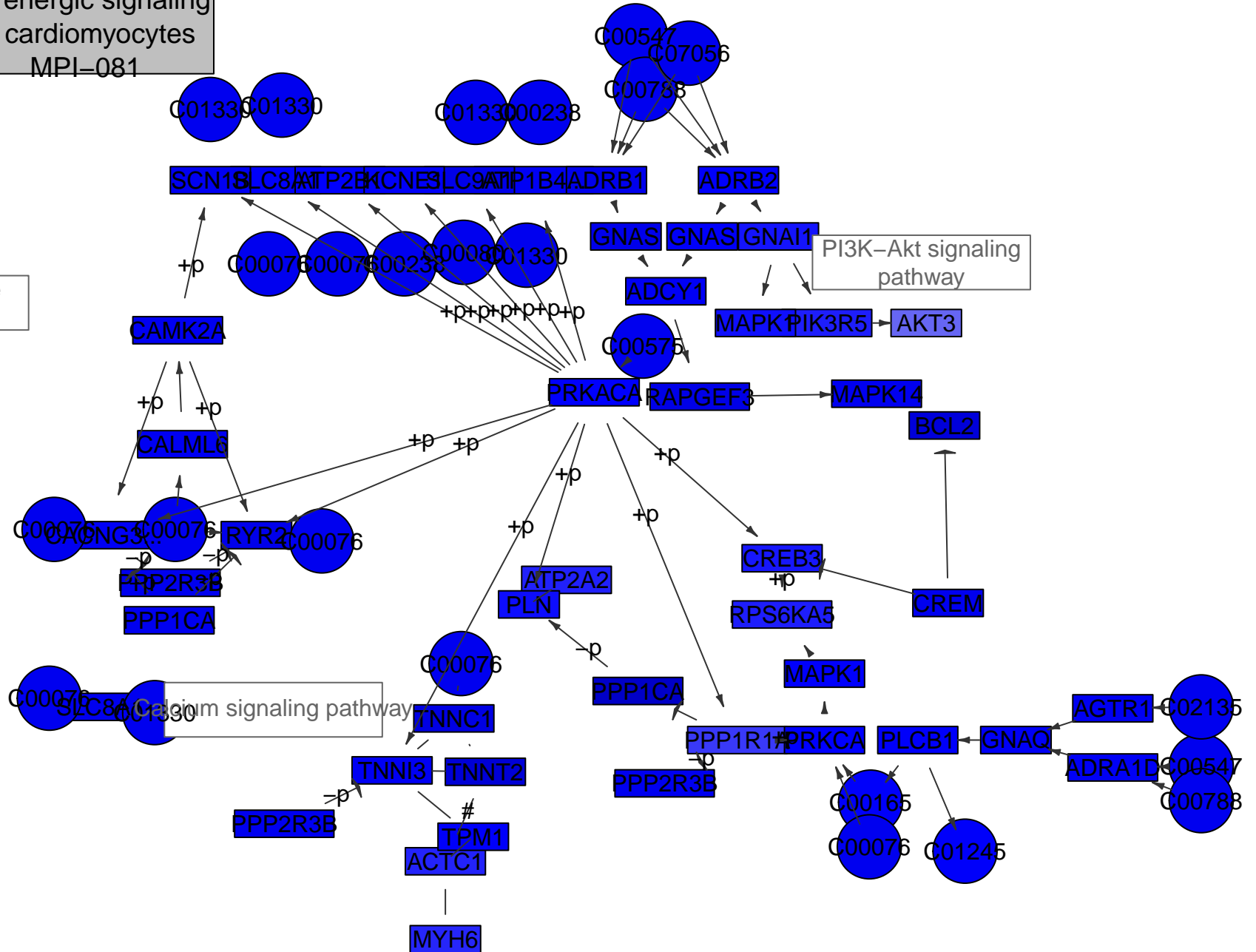
Adrenergic signaling  
in cardiomyocytes  
MPI-080

Cardiac muscle  
contraction



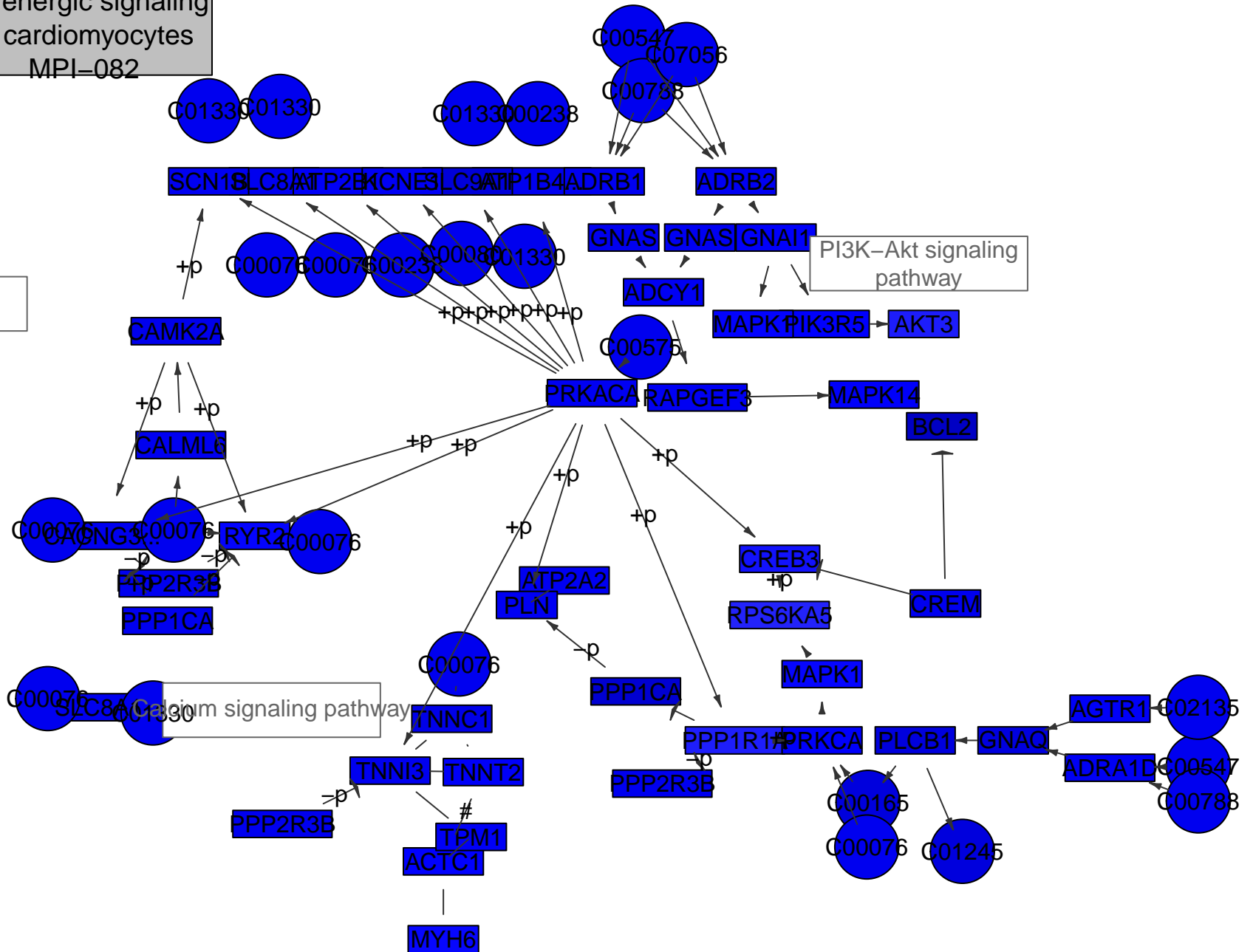
Adrenergic signaling  
in cardiomyocytes  
MPI-081

Cardiac muscle  
contraction



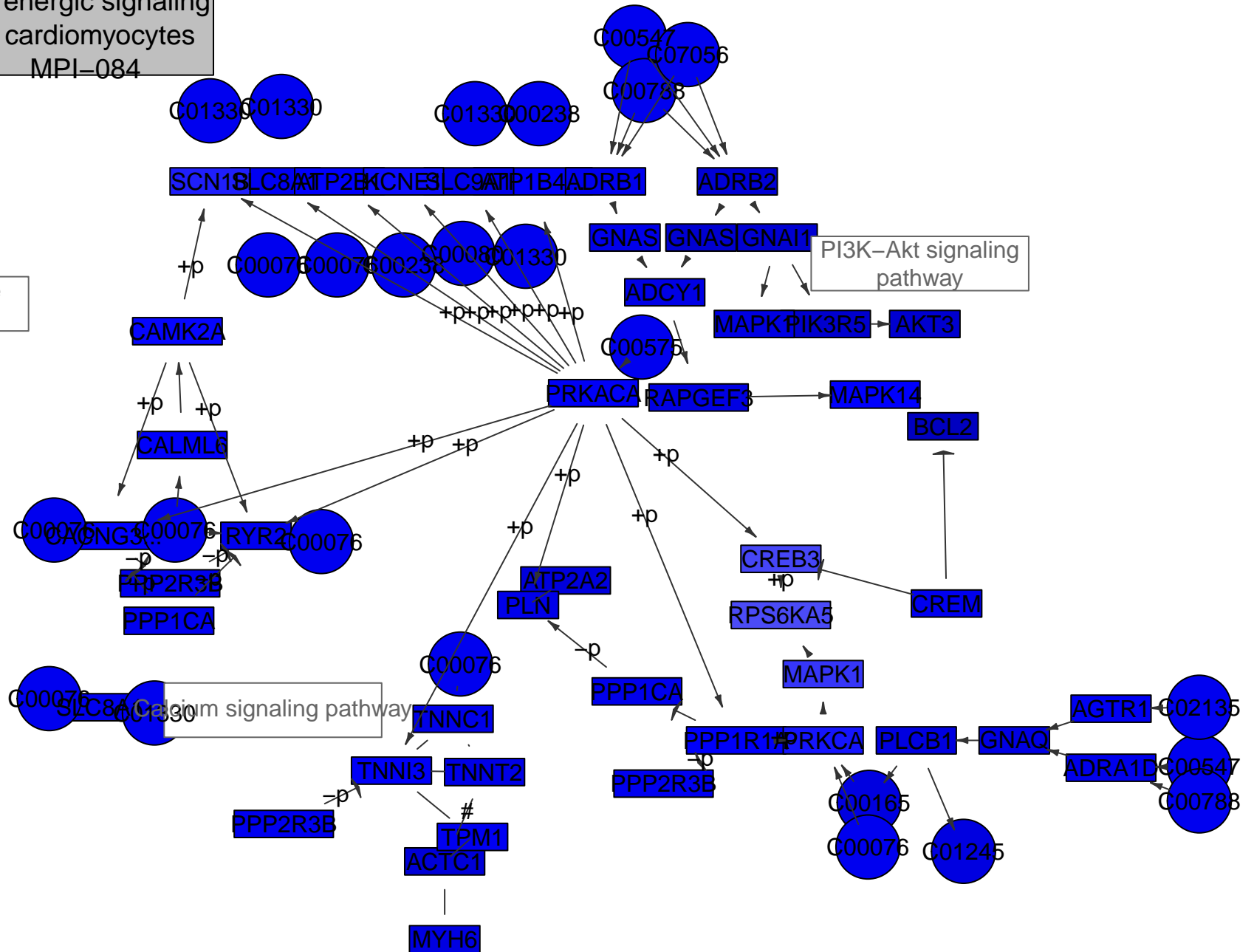
Adrenergic signaling  
in cardiomyocytes  
MPI-082

Cardiac muscle  
contraction



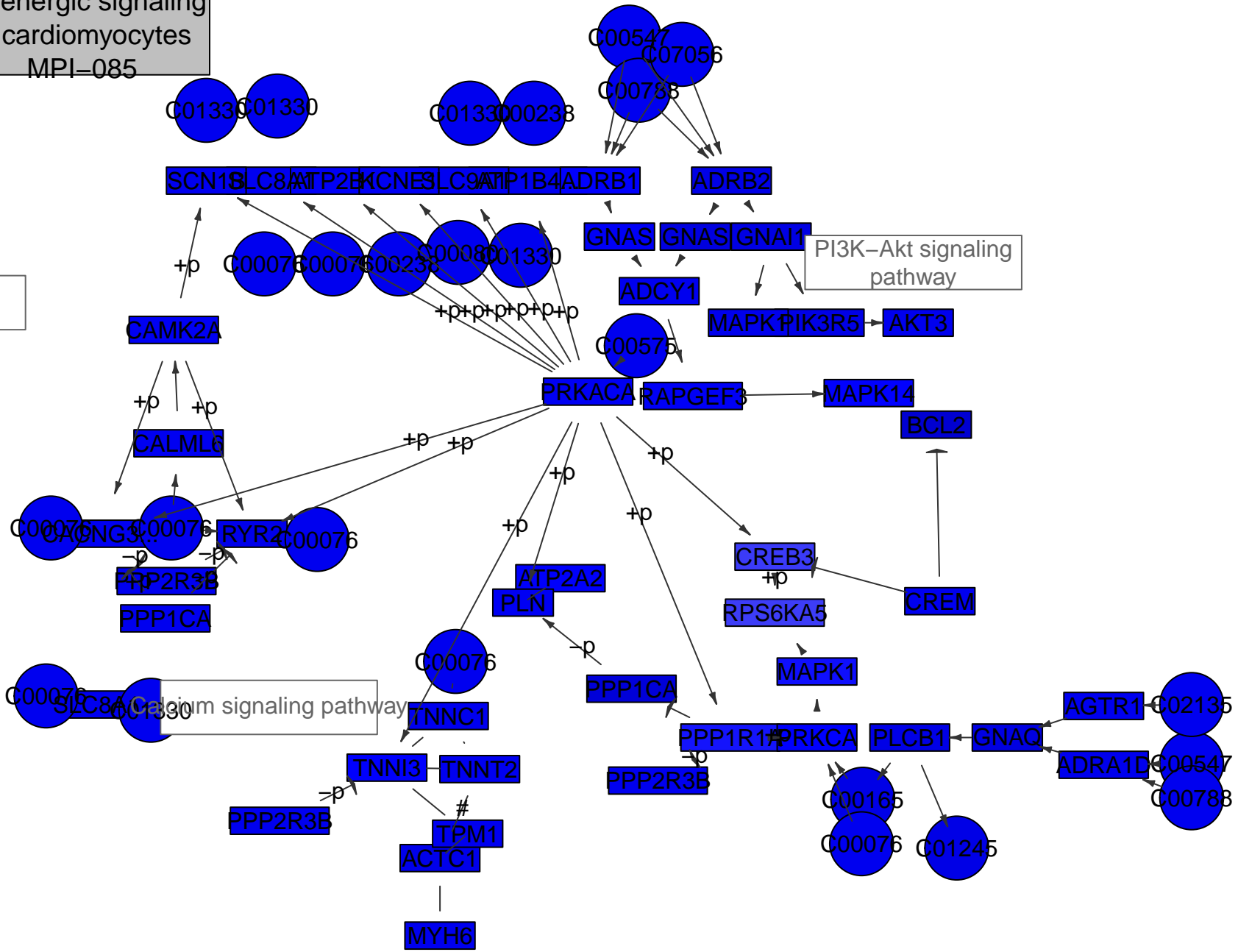
Adrenergic signaling  
in cardiomyocytes  
MPI-084

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-085

Cardiac muscle  
contraction



PI3K-Akt signaling  
pathway

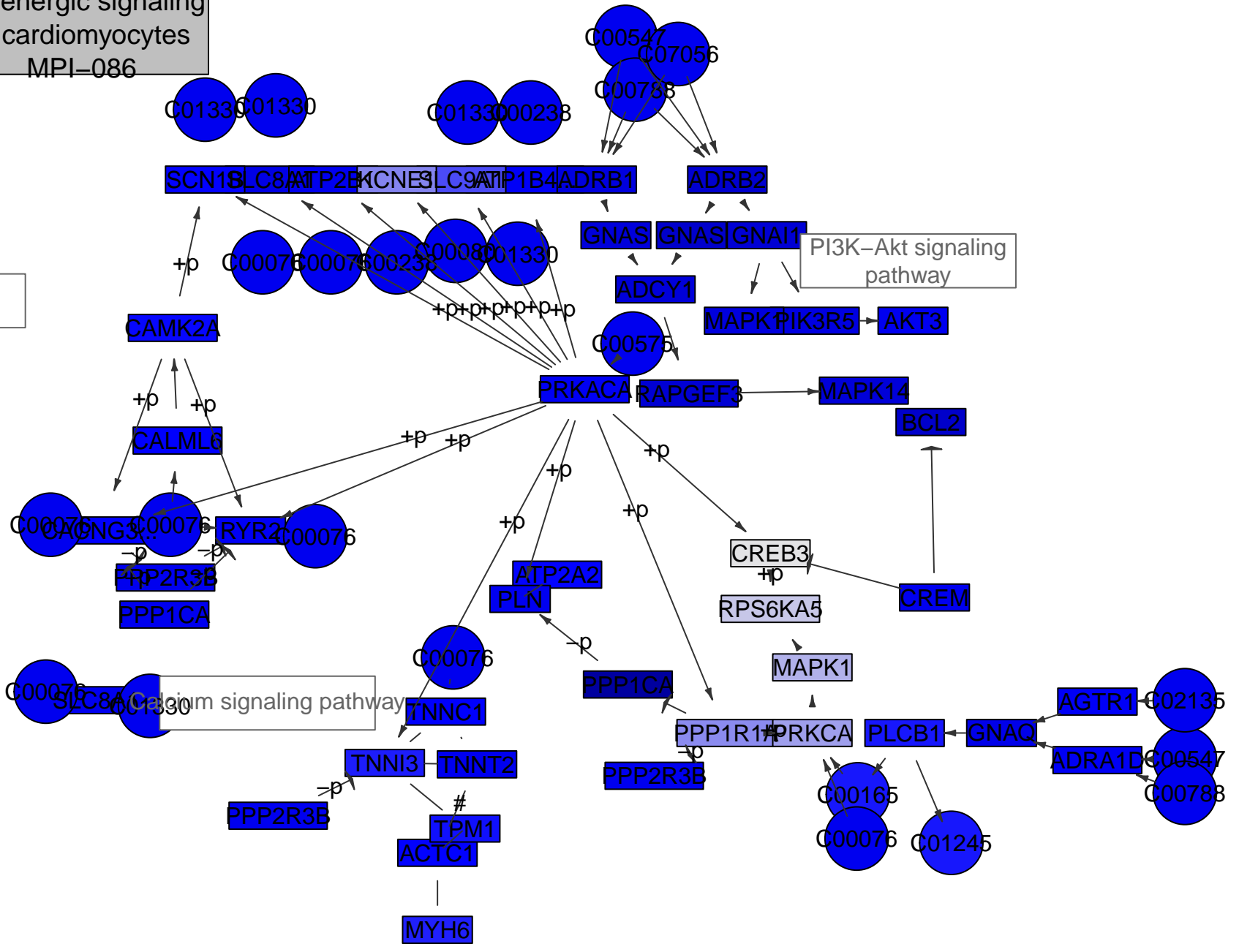
Calcium signaling pathway

Adrenergic signaling  
in cardiomyocytes  
MPI-086

Cardiac muscle  
contraction

PI3K-Akt signaling  
pathway

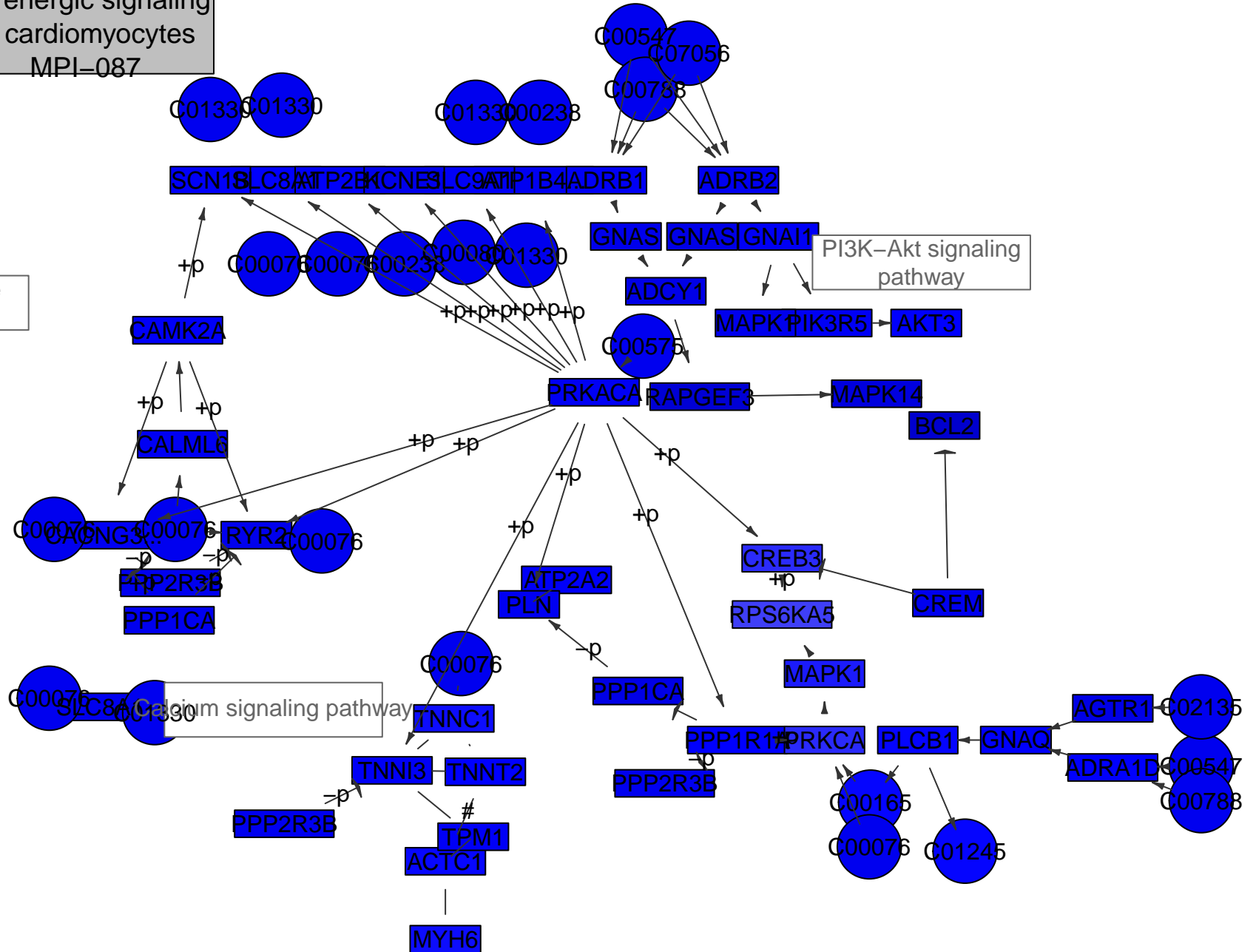
Calcium signaling pathway





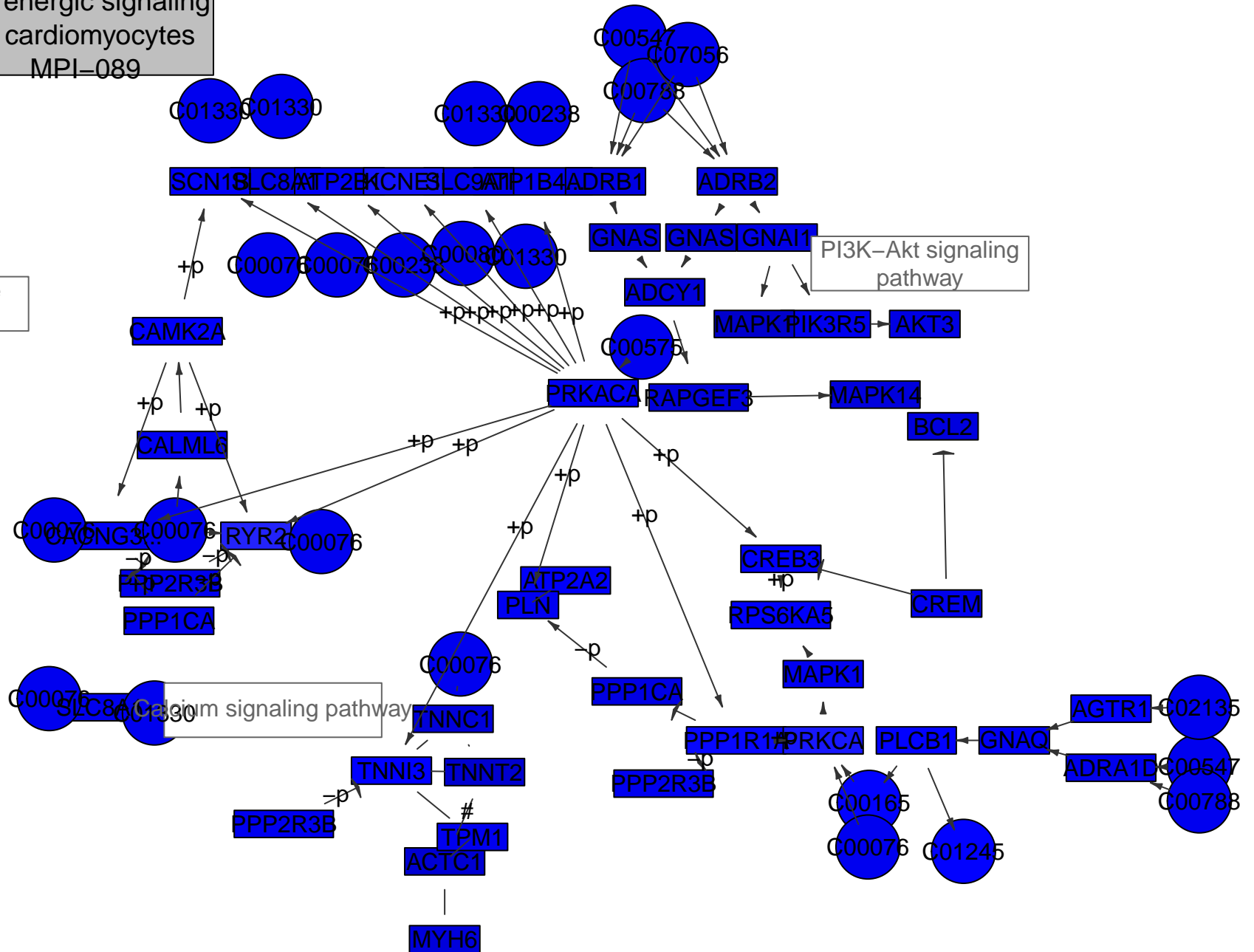
Adrenergic signaling  
in cardiomyocytes  
MPI-087

Cardiac muscle  
contraction



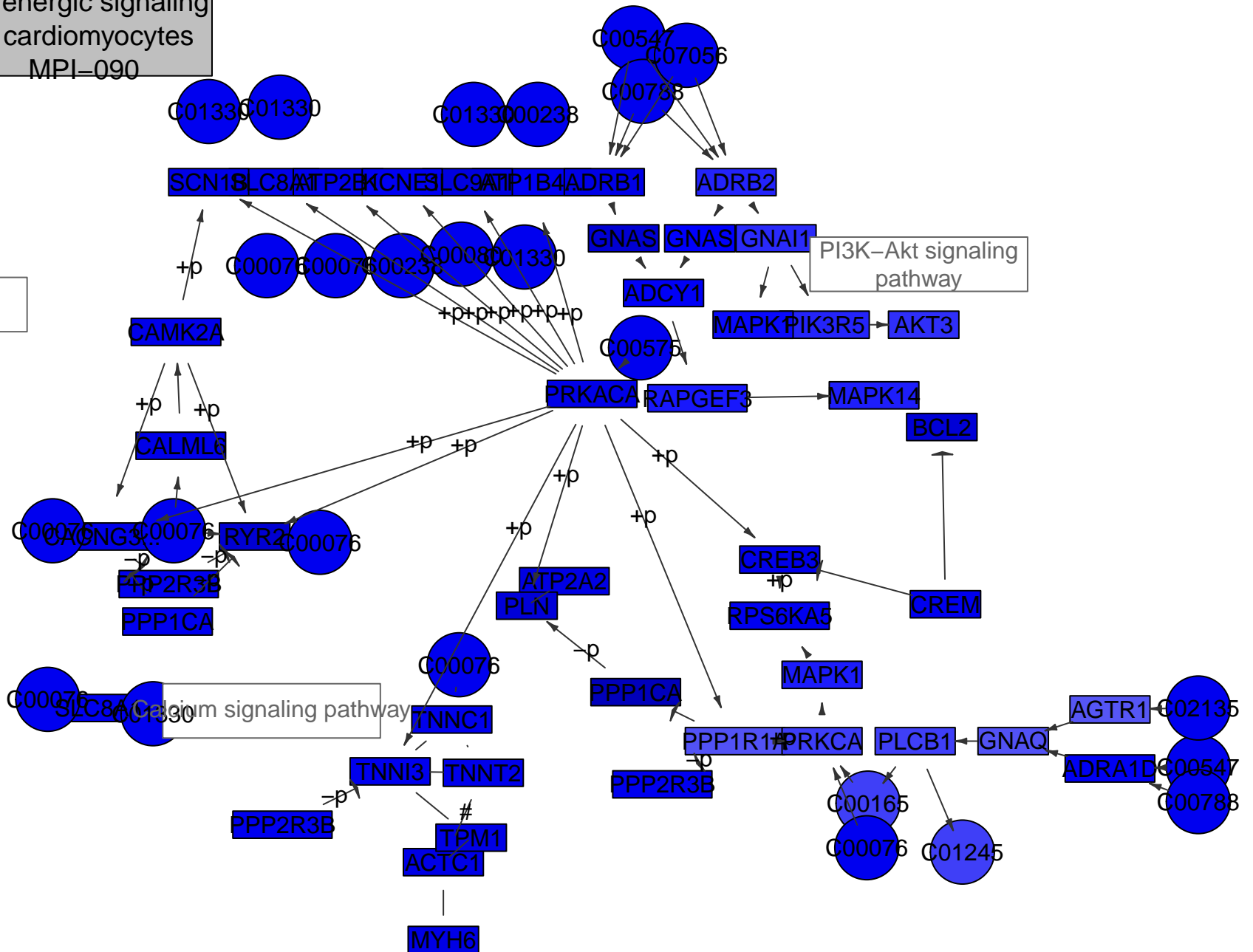
Adrenergic signaling  
in cardiomyocytes  
MPI-089

Cardiac muscle  
contraction



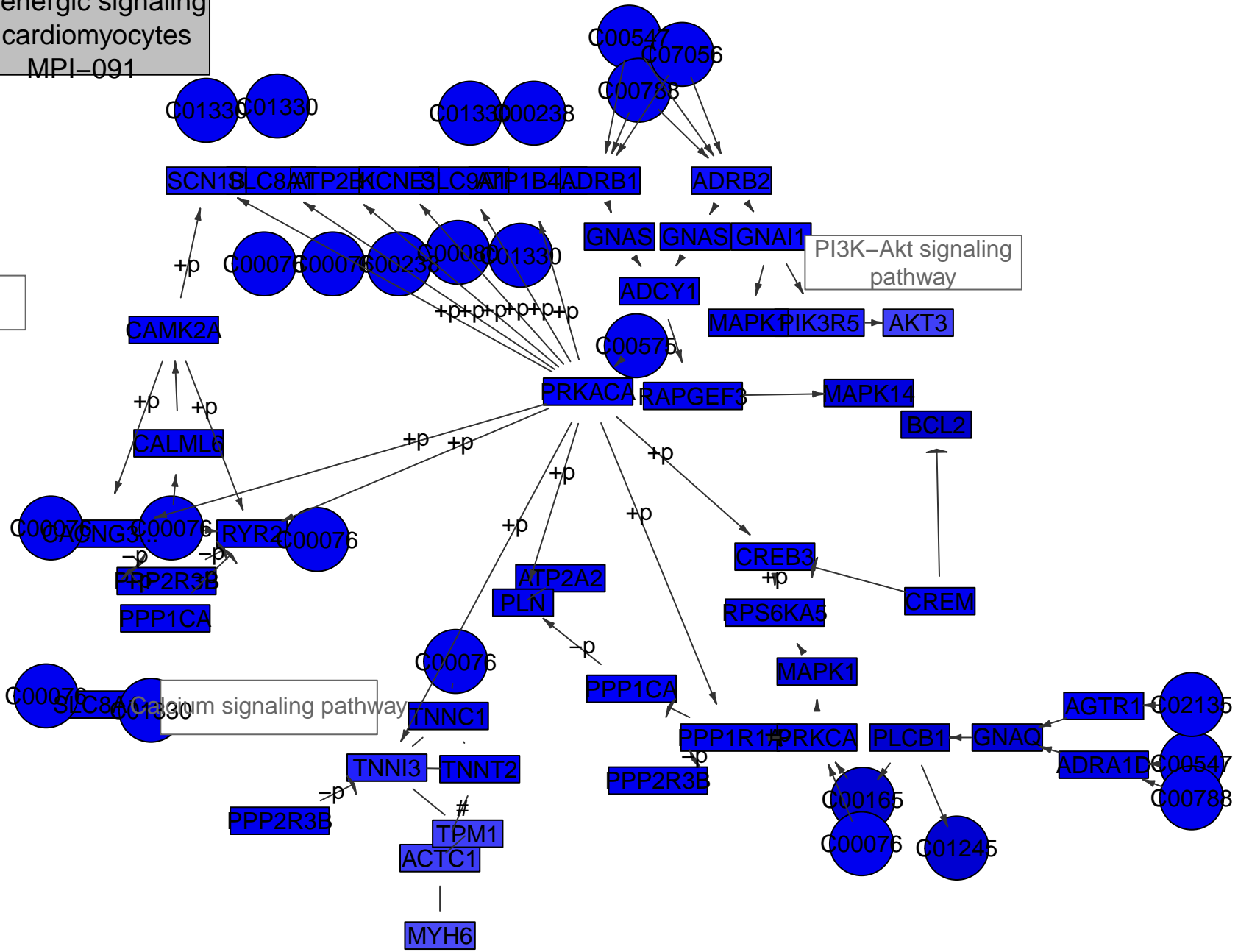
Adrenergic signaling  
in cardiomyocytes  
MPI-090

Cardiac muscle  
contraction



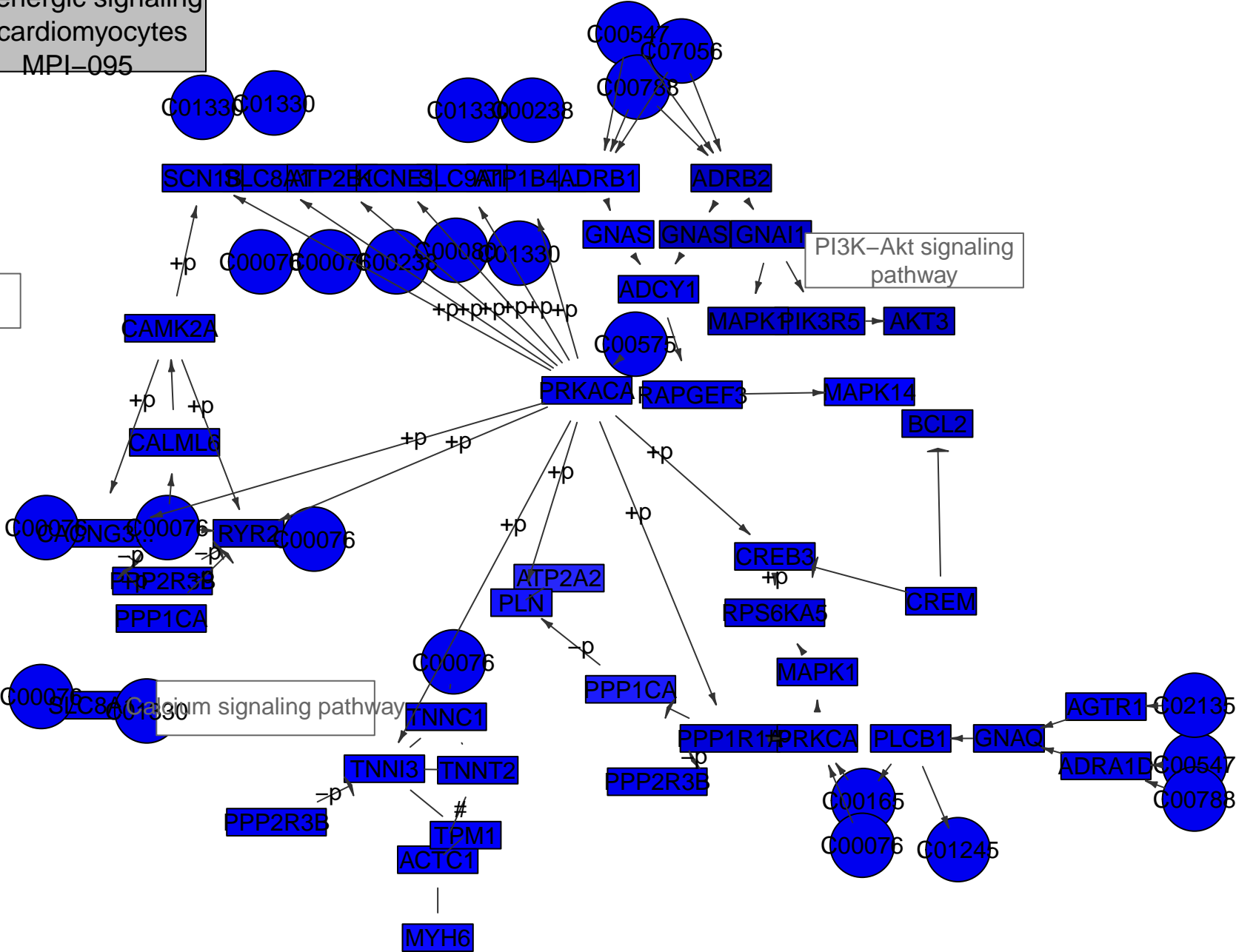
Adrenergic signaling  
in cardiomyocytes  
MPI-091

Cardiac muscle  
contraction



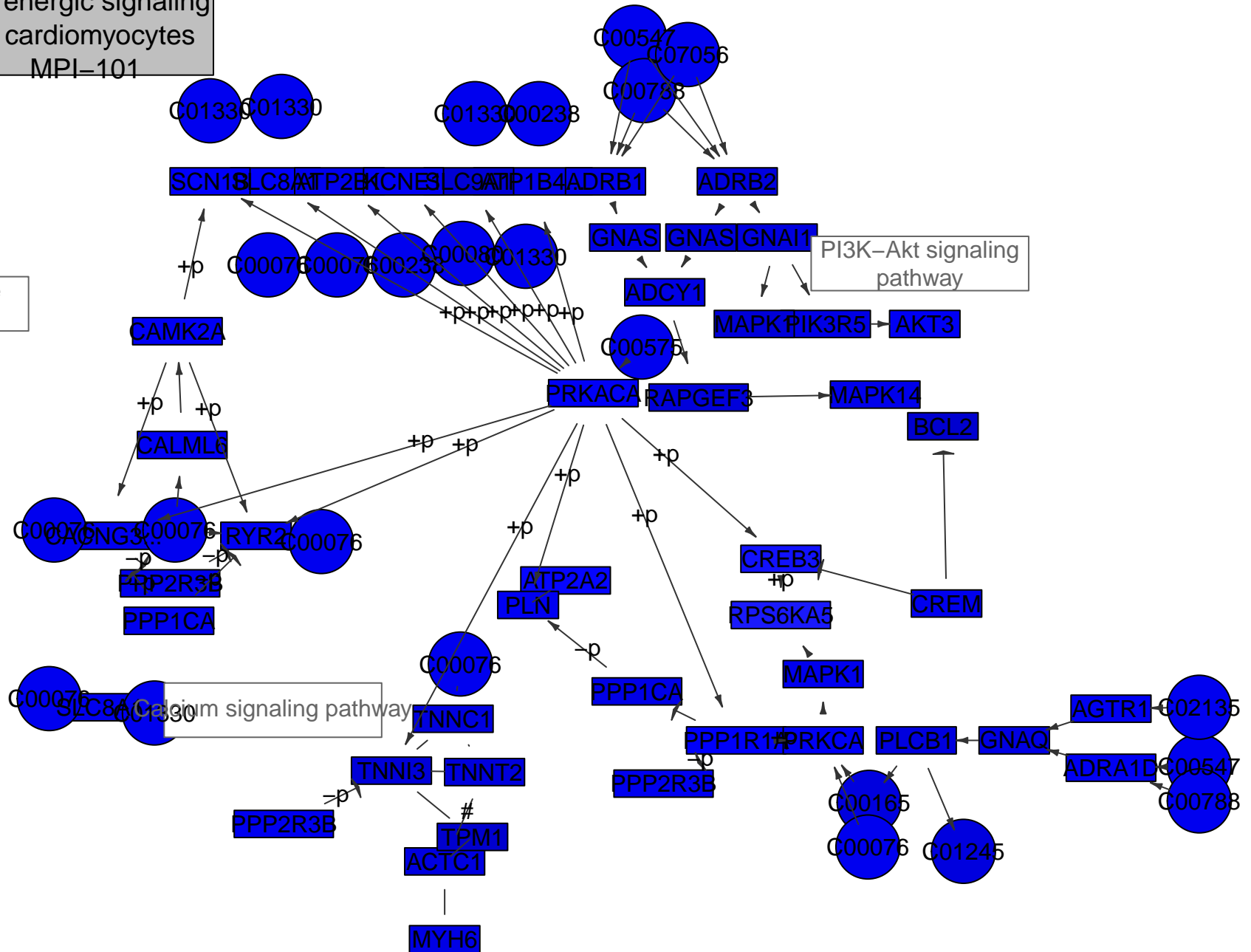
Adrenergic signaling  
in cardiomyocytes  
MPI-095

Cardiac muscle  
contraction



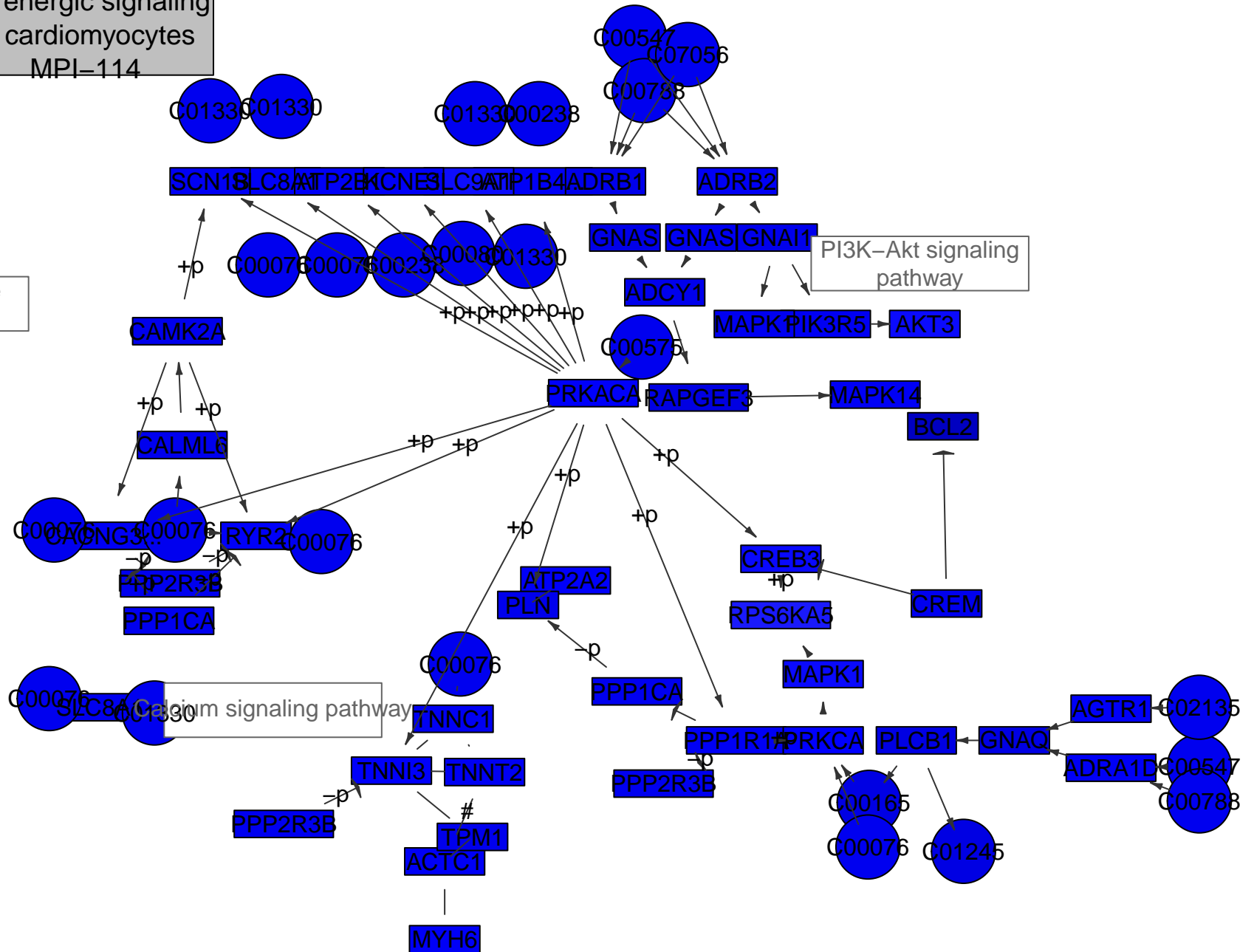
Adrenergic signaling  
in cardiomyocytes  
MPI-101

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-114

Cardiac muscle  
contraction

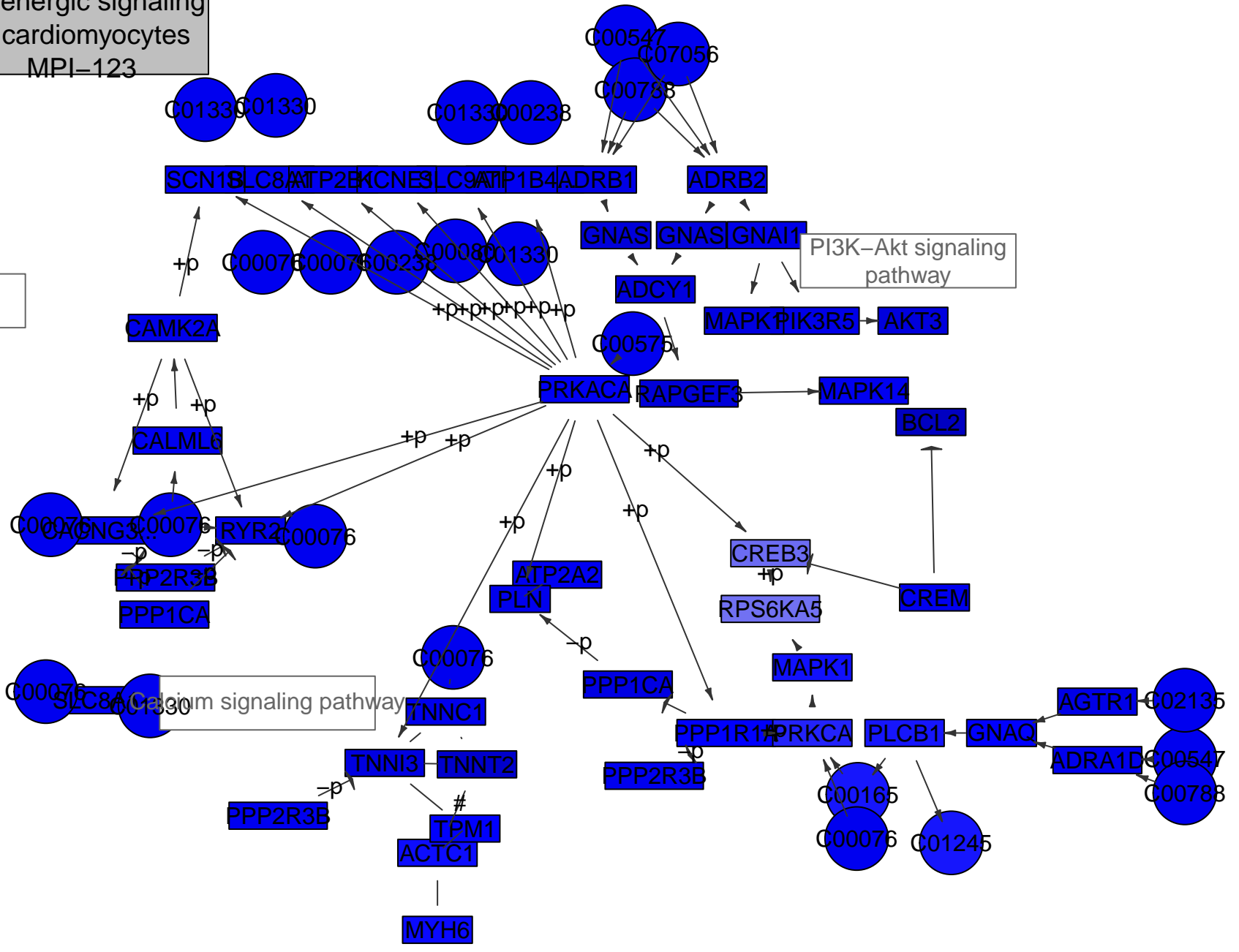


Adrenergic signaling  
in cardiomyocytes  
MPI-123

Cardiac muscle  
contraction

PI3K-Akt signaling  
pathway

Calcium signaling pathway



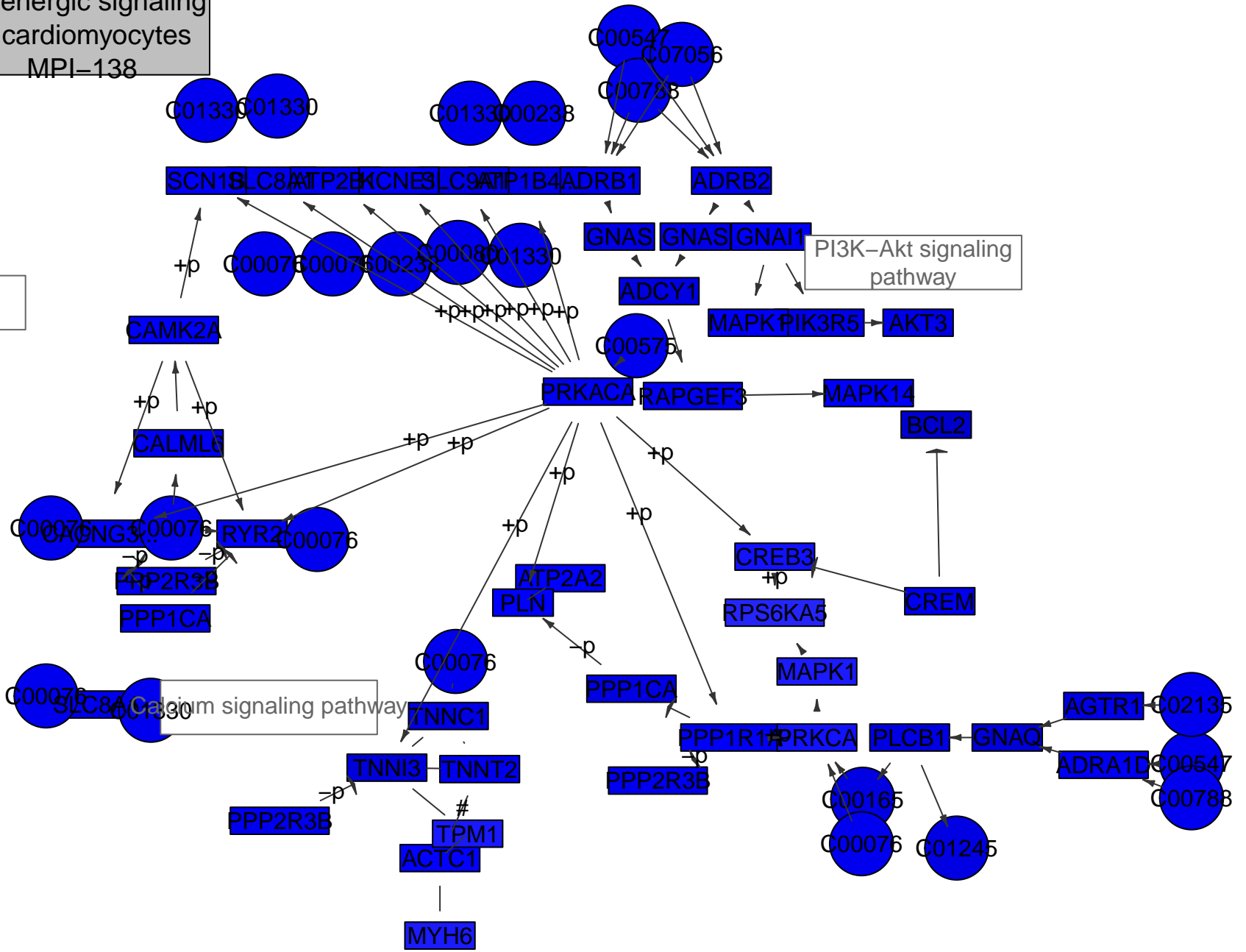


Adrenergic signaling  
in cardiomyocytes  
MPI-138

Cardiac muscle  
contraction

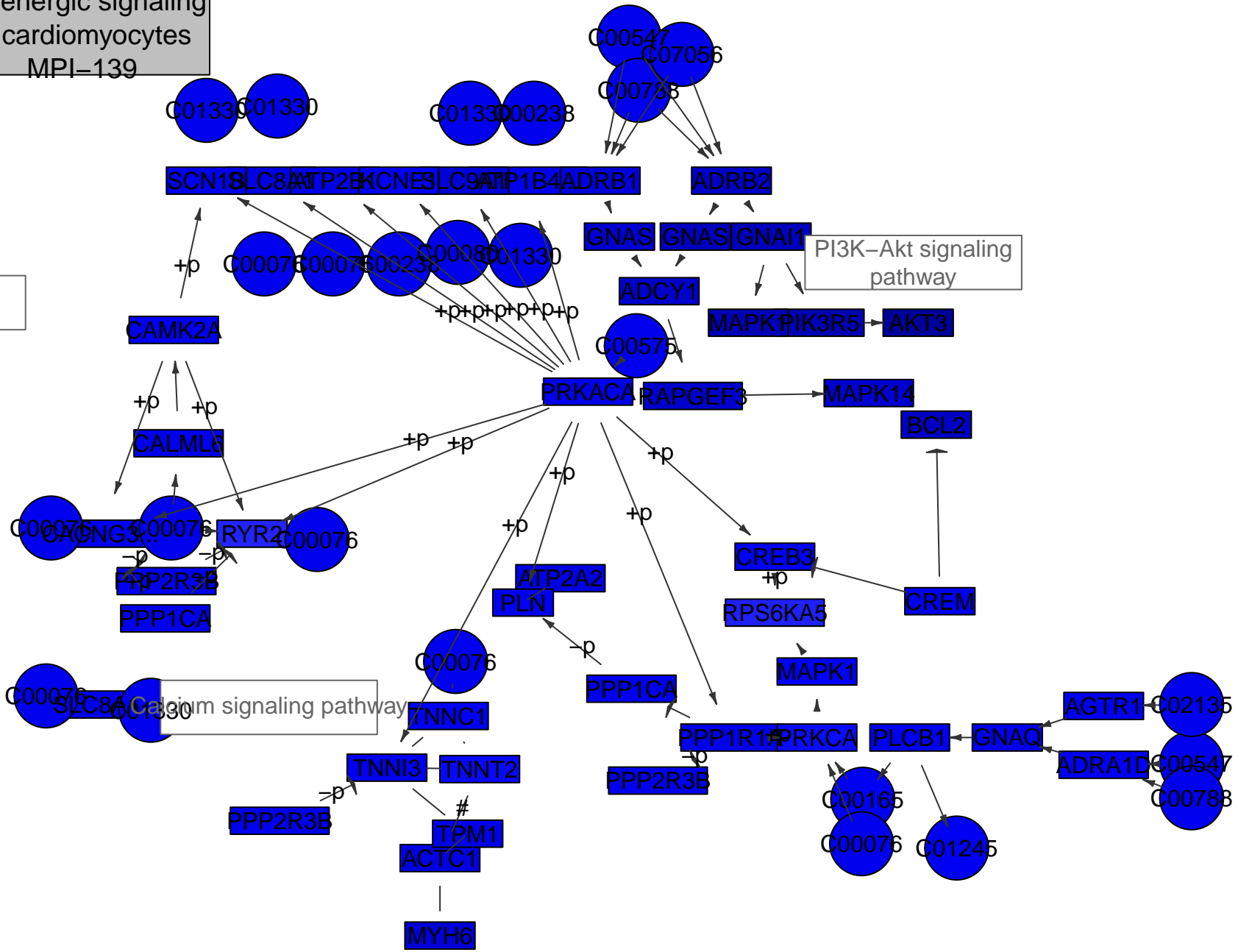
PI3K-Akt signaling  
pathway

Calcium signaling pathway



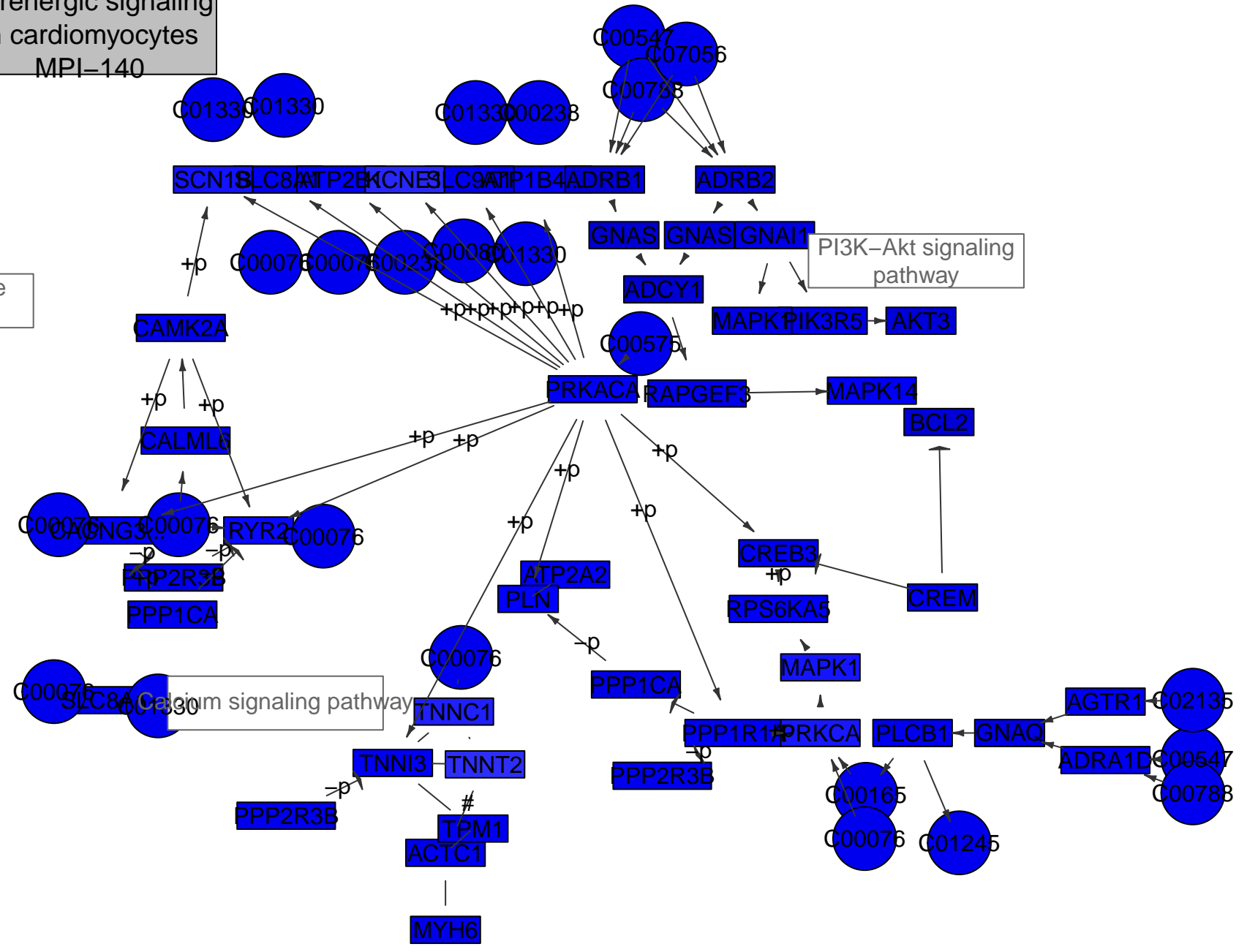
Adrenergic signaling  
in cardiomyocytes  
MPI-139

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-140

Cardiac muscle  
contraction

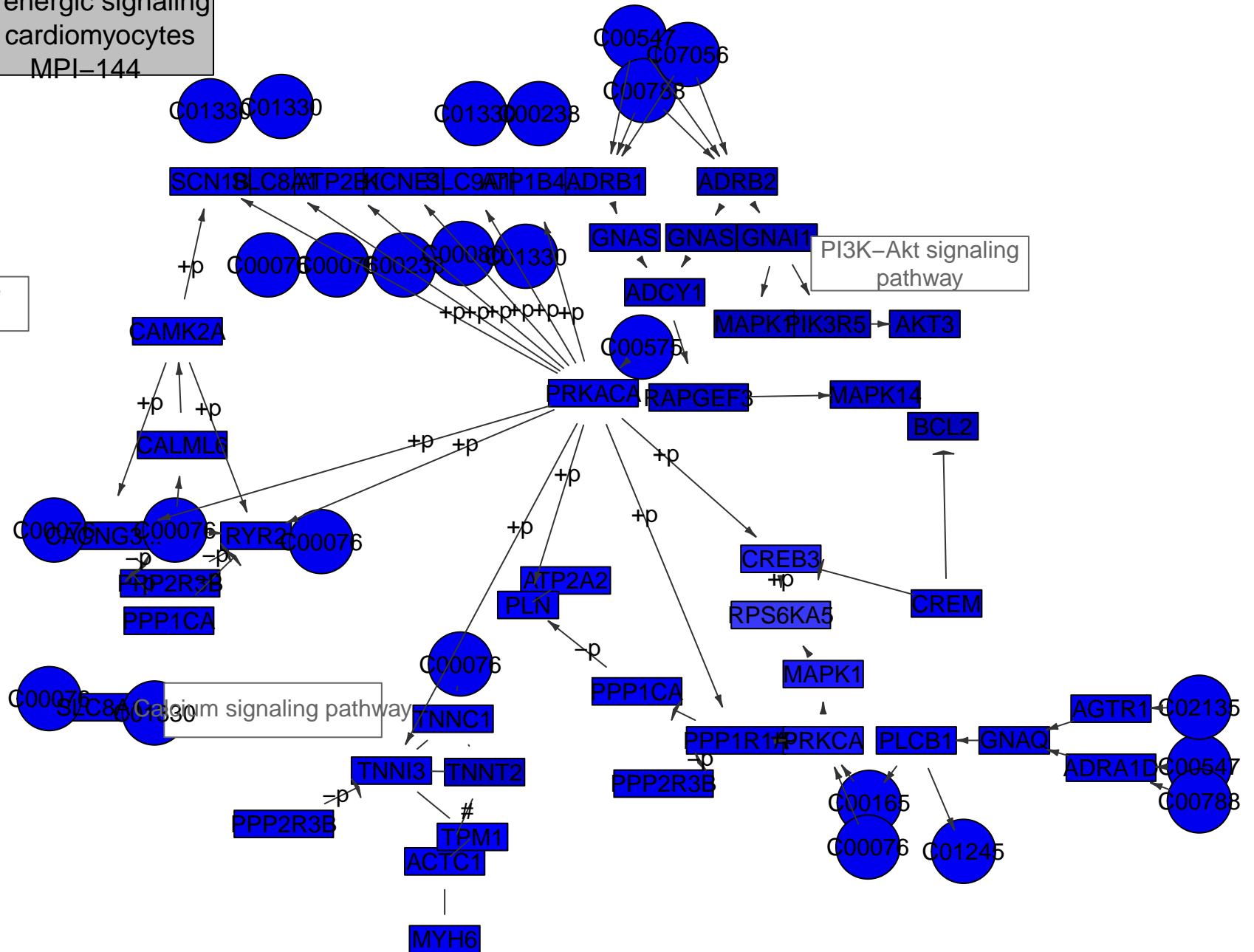


PI3K-Akt signaling  
pathway

Calcium signaling pathway

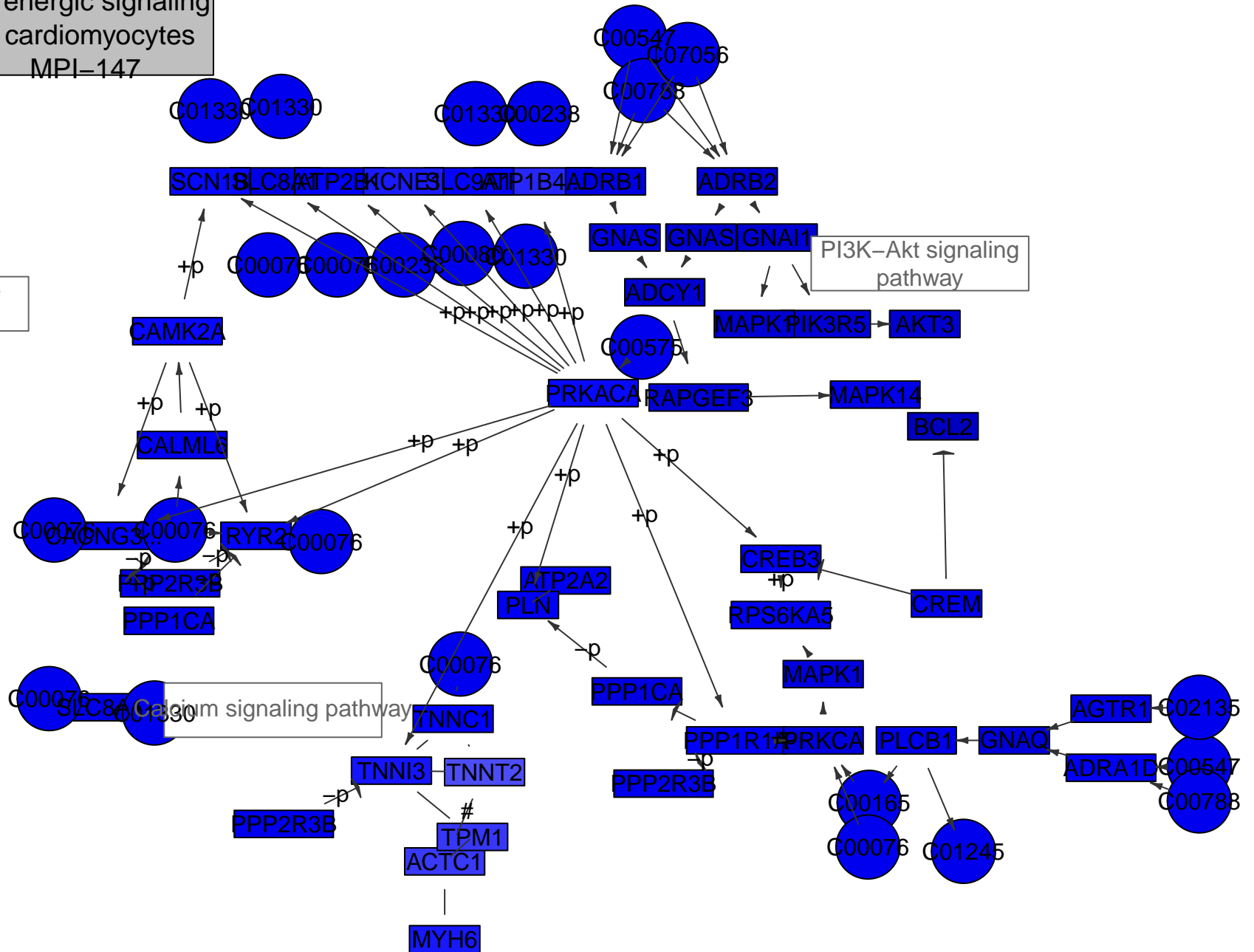
Adrenergic signaling  
in cardiomyocytes  
MPI-144

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-147

Cardiac muscle  
contraction

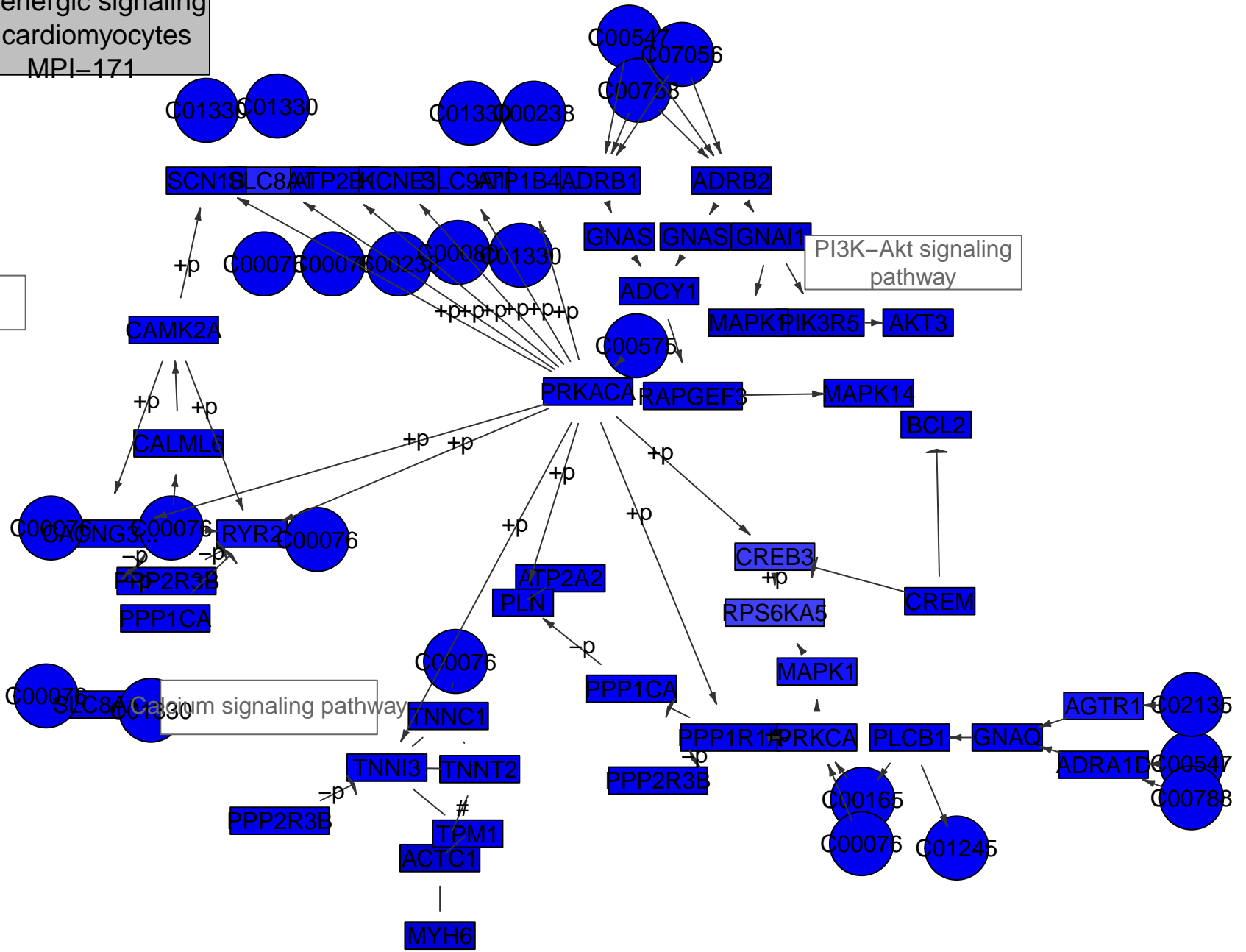


Adrenergic signaling  
in cardiomyocytes  
MPI-171

Cardiac muscle  
contraction

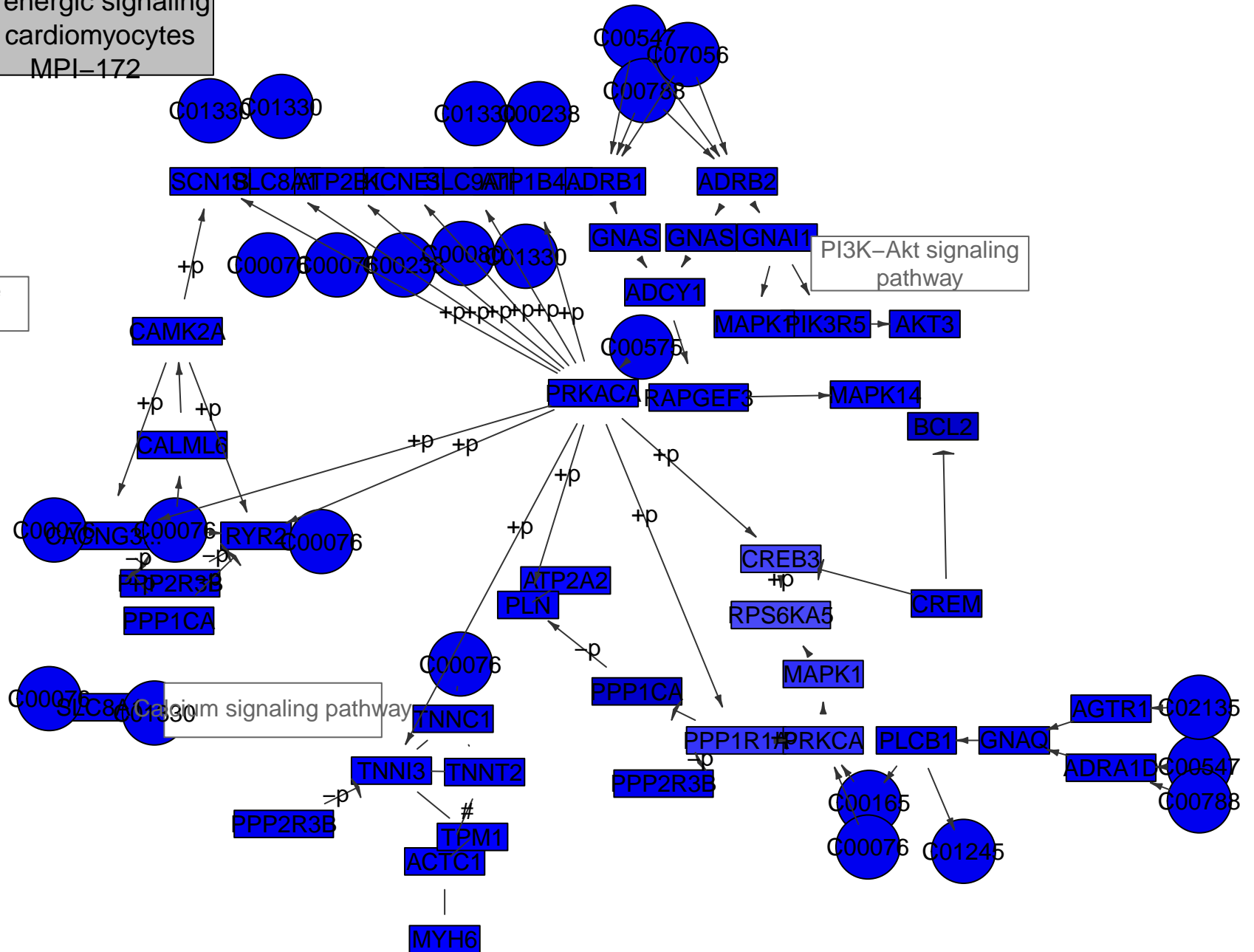
PI3K-Akt signaling  
pathway

Calcium signaling pathway



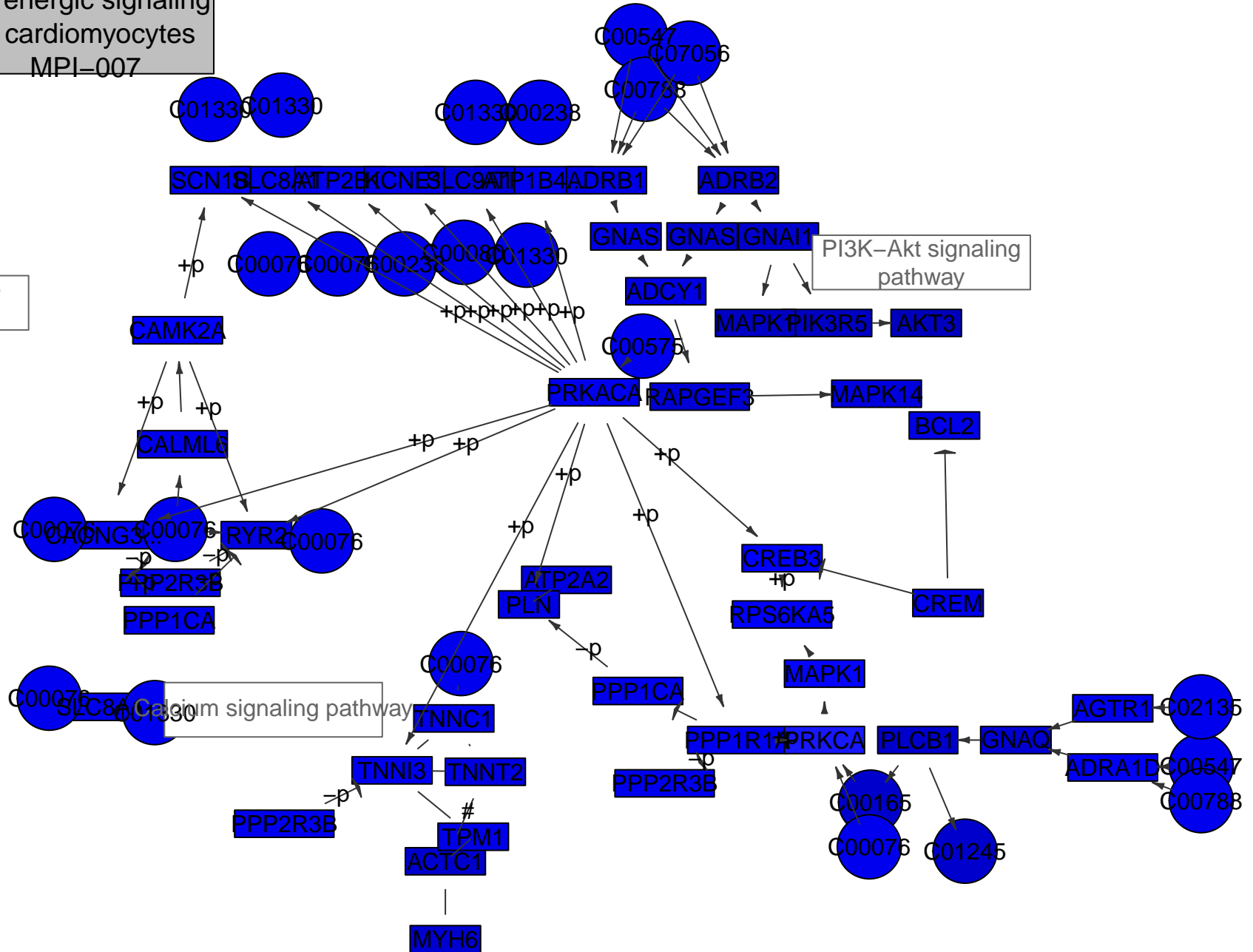
Adrenergic signaling  
in cardiomyocytes  
MPI-172

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-007

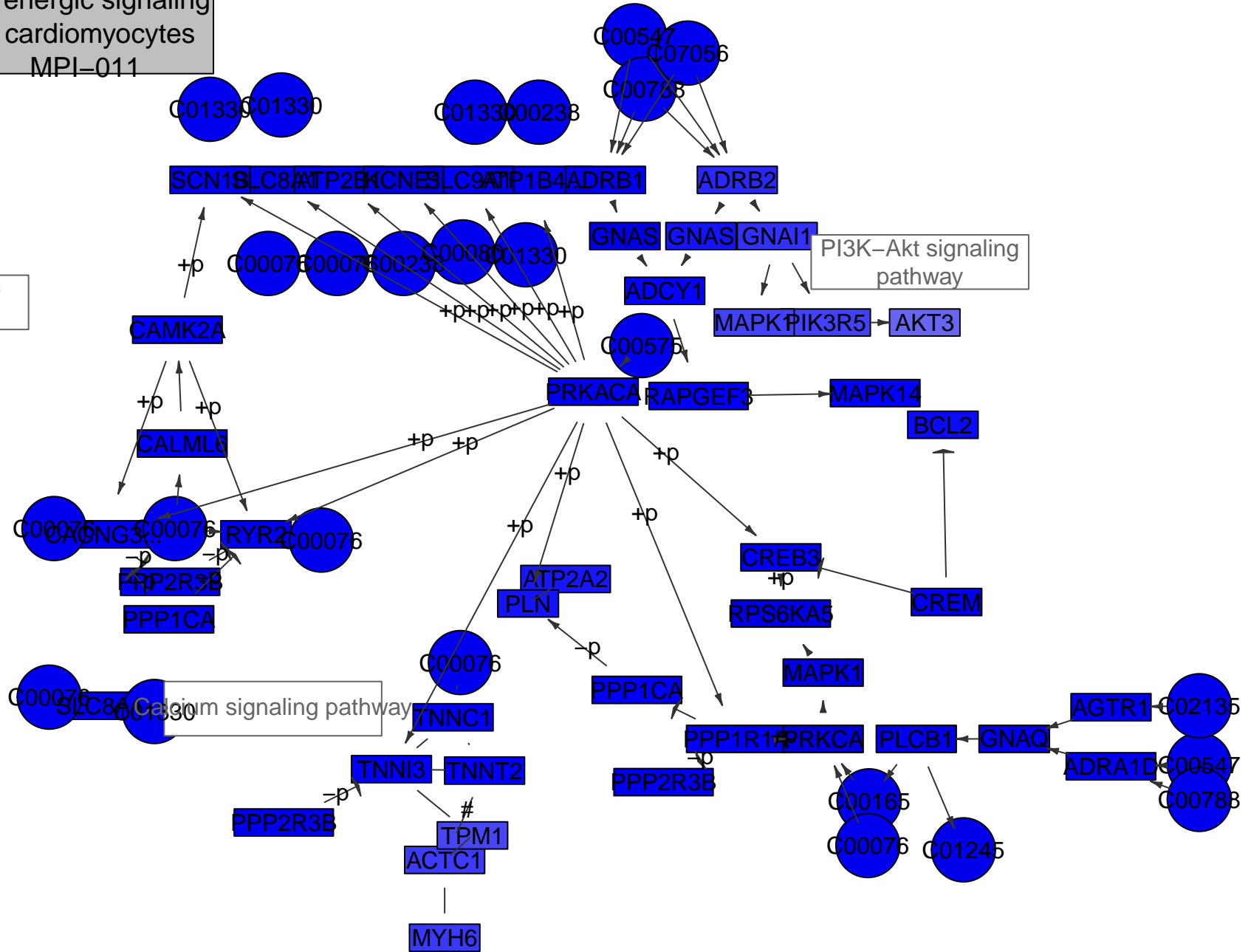
Cardiac muscle  
contraction





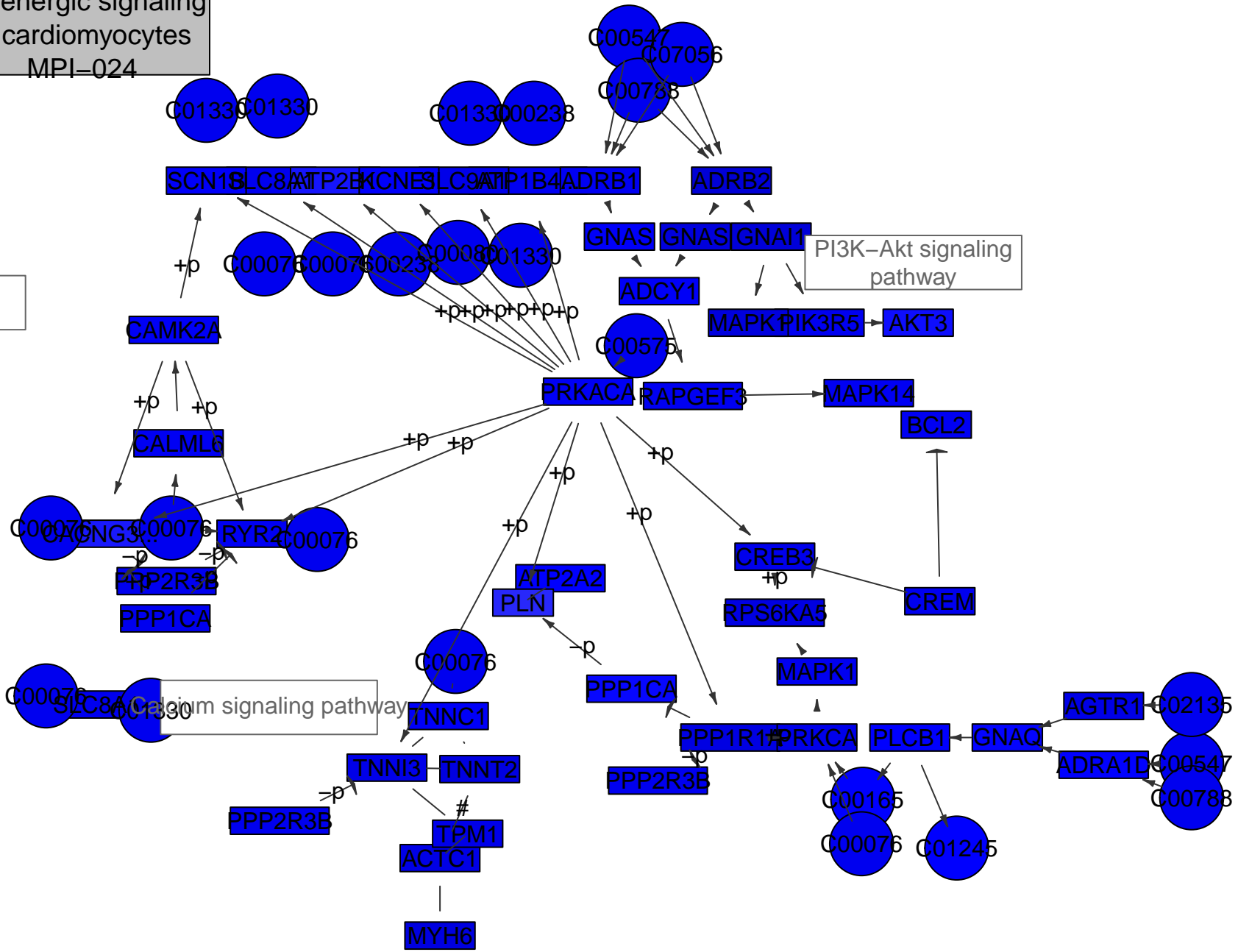
Adrenergic signaling  
in cardiomyocytes  
MPI-011

Cardiac muscle  
contraction



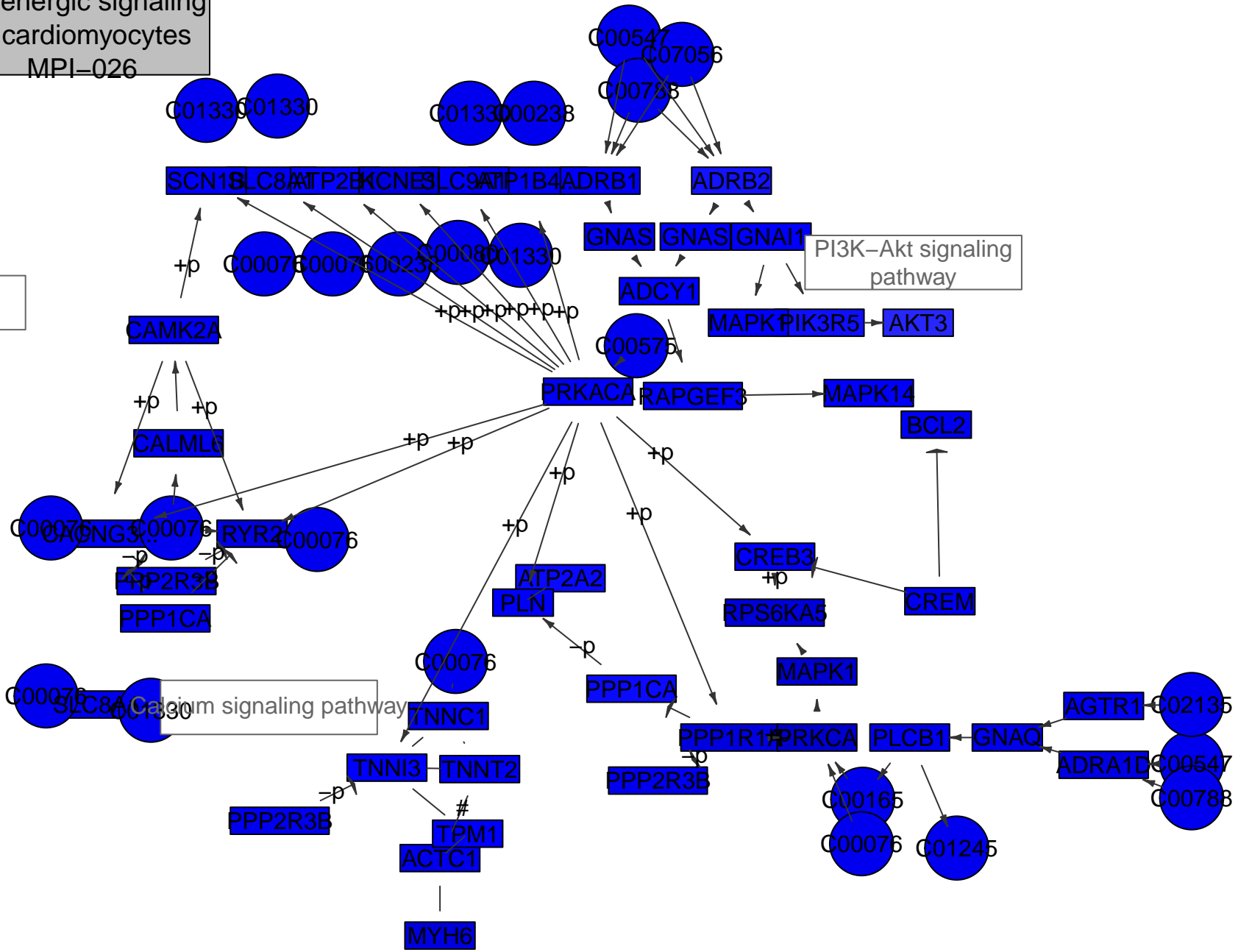
Adrenergic signaling  
in cardiomyocytes  
MPI-024

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-026

Cardiac muscle  
contraction

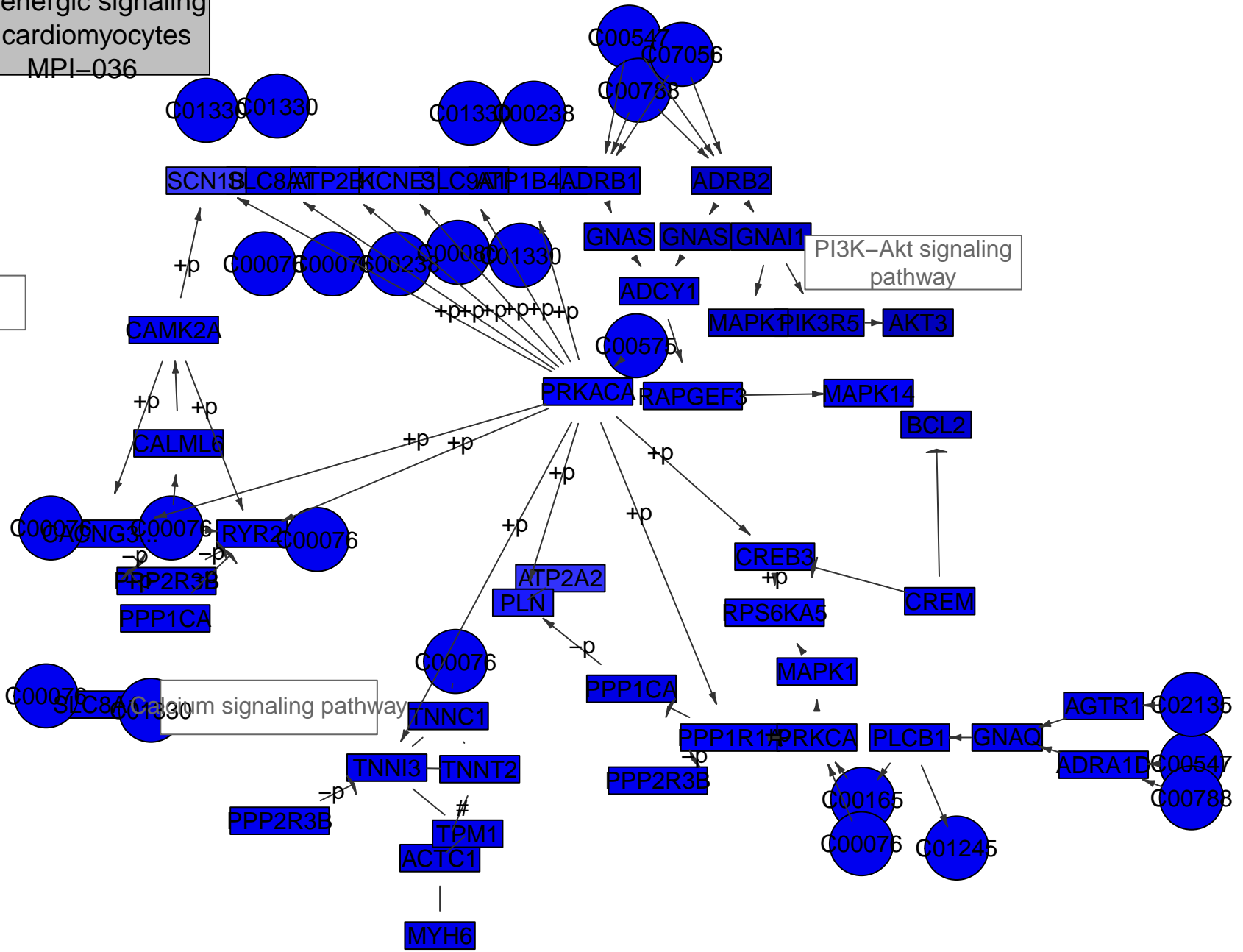


Calcium signaling pathway

PI3K-Akt signaling  
pathway

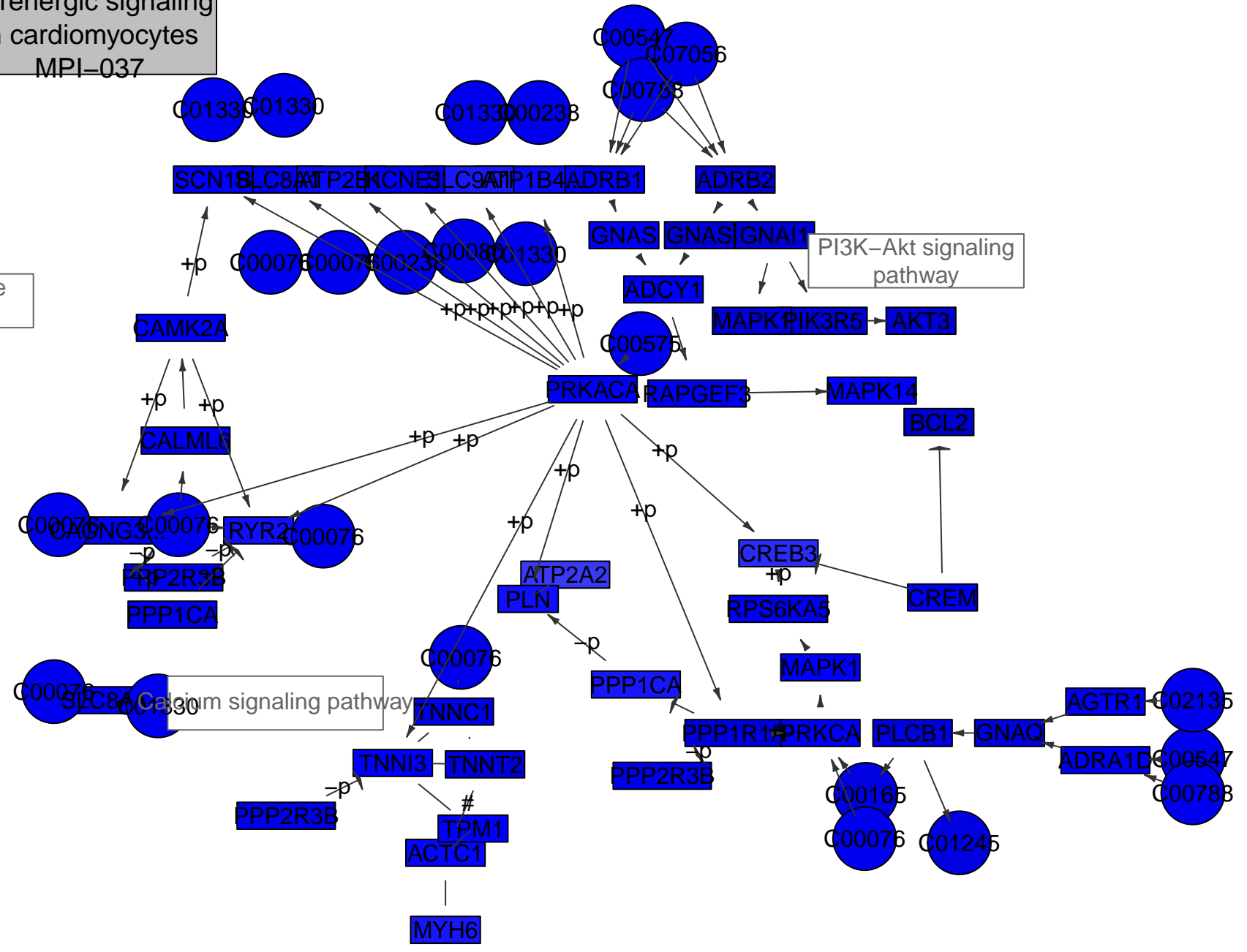
Adrenergic signaling  
in cardiomyocytes  
MPI-036

Cardiac muscle  
contraction



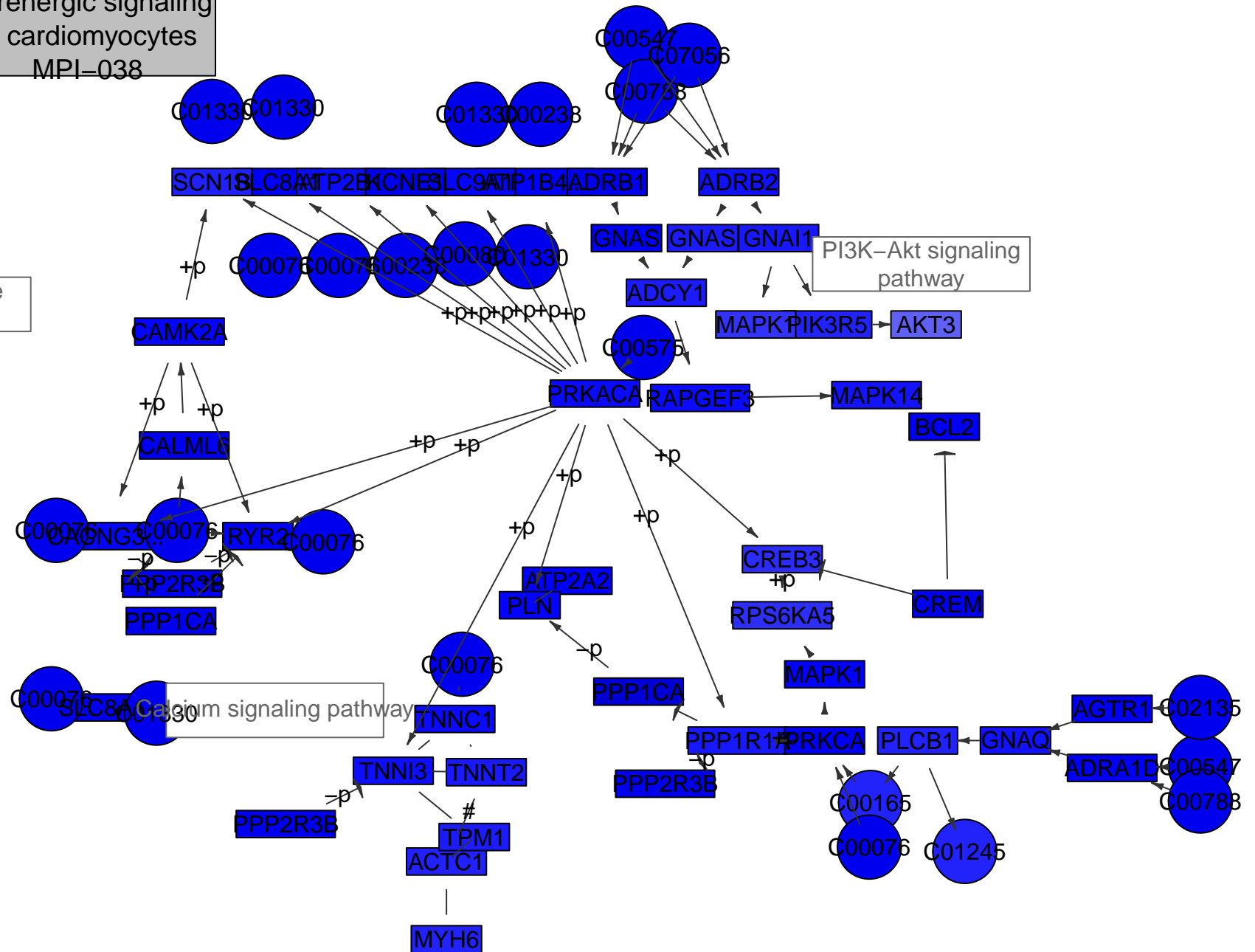
Adrenergic signaling  
in cardiomyocytes  
MPI-037

Cardiac muscle  
contraction



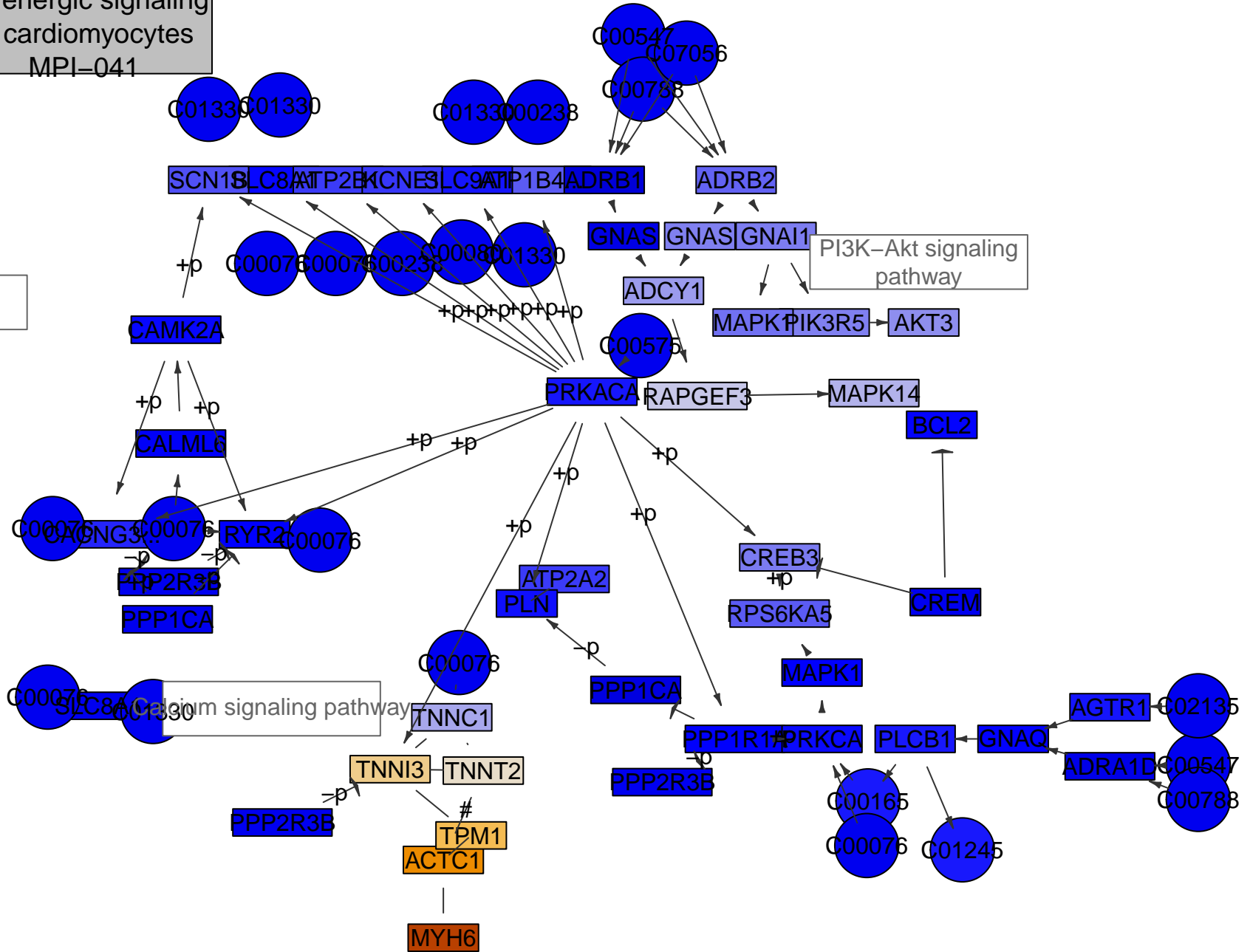
Adrenergic signaling  
in cardiomyocytes  
MPI-038

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-041

Cardiac muscle  
contraction

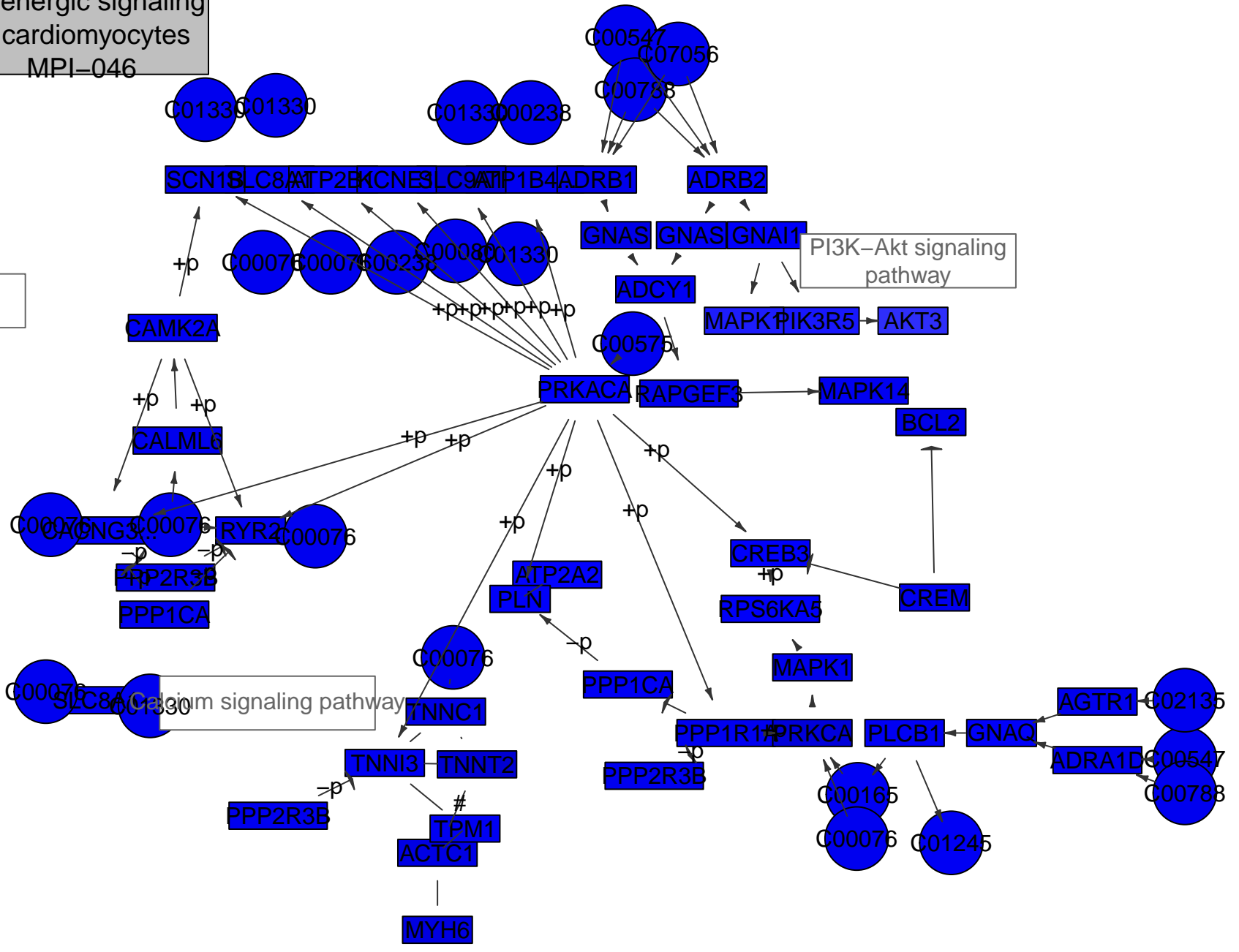


Adrenergic signaling  
in cardiomyocytes  
MPI-046

Cardiac muscle  
contraction

PI3K-Akt signaling  
pathway

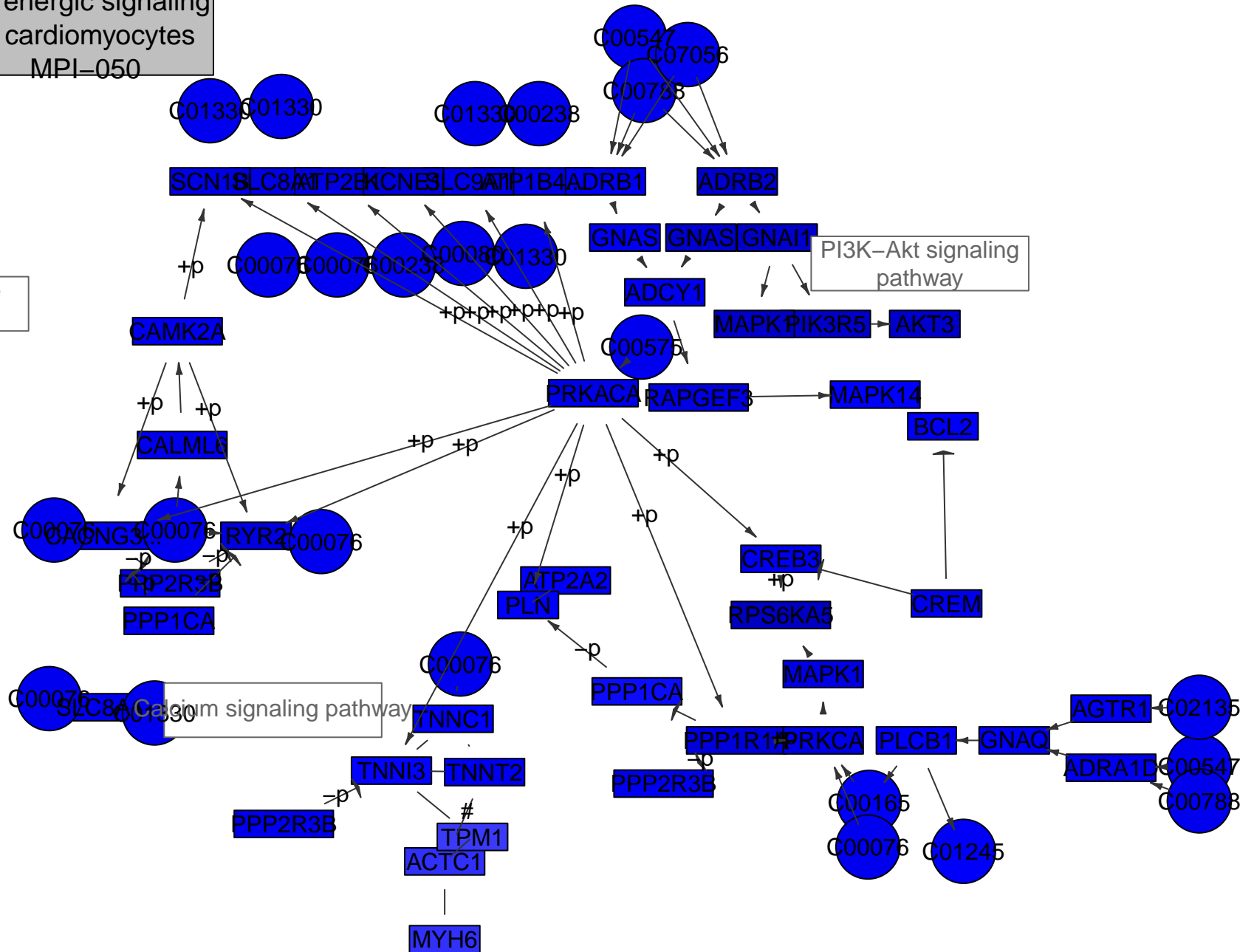
Calcium signaling pathway





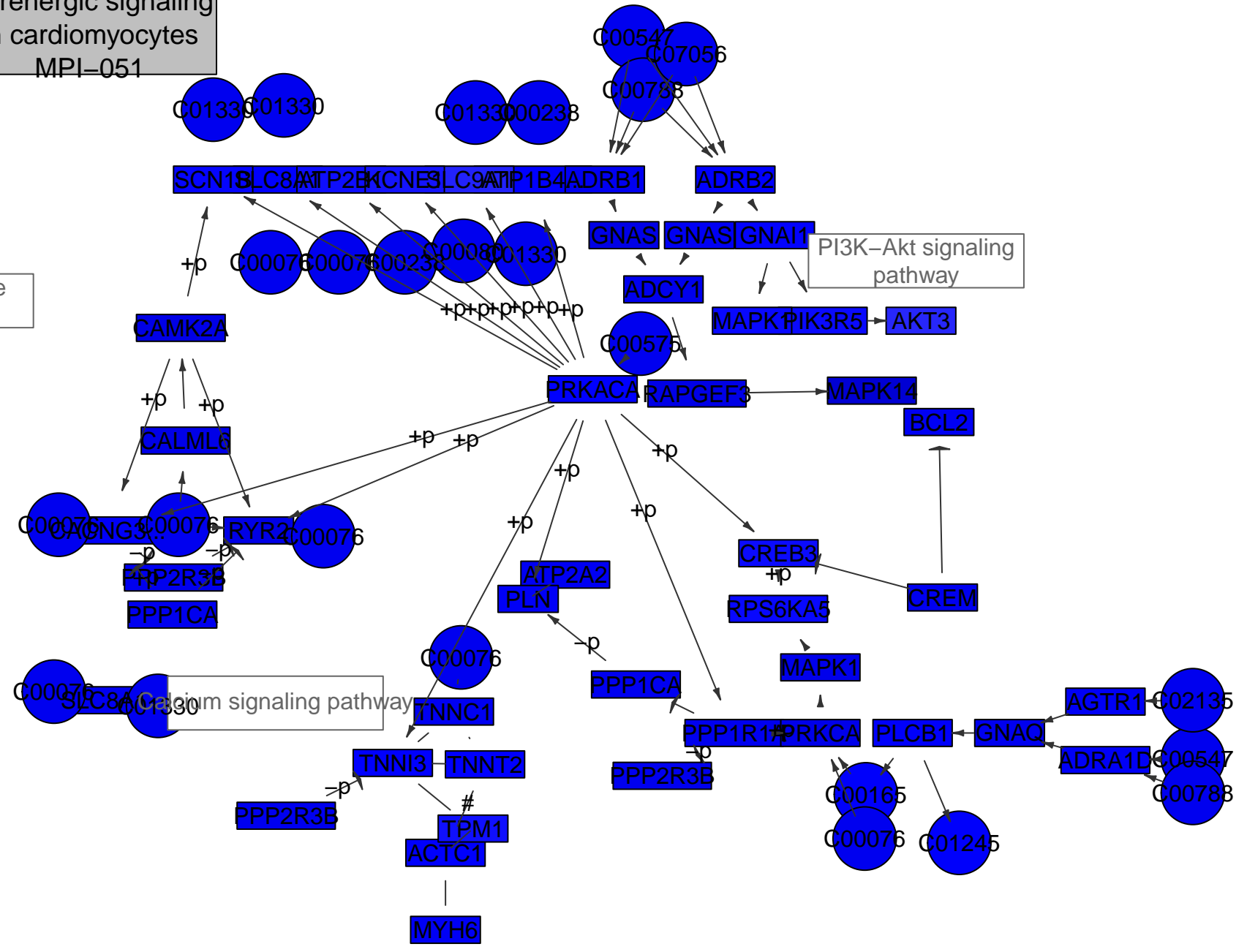
Adrenergic signaling  
in cardiomyocytes  
MPI-050

Cardiac muscle  
contraction



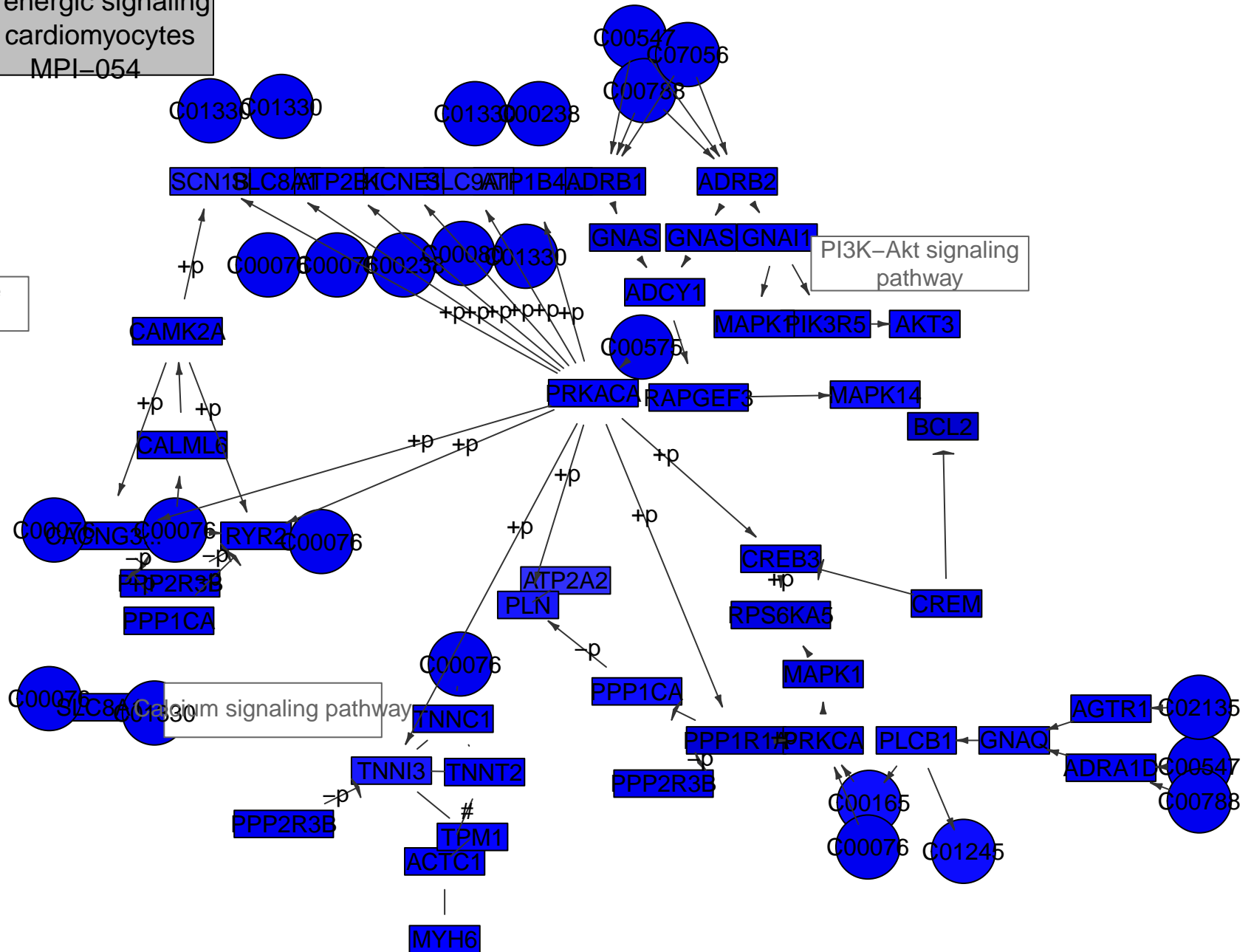
Adrenergic signaling  
in cardiomyocytes  
MPI-051

Cardiac muscle  
contraction



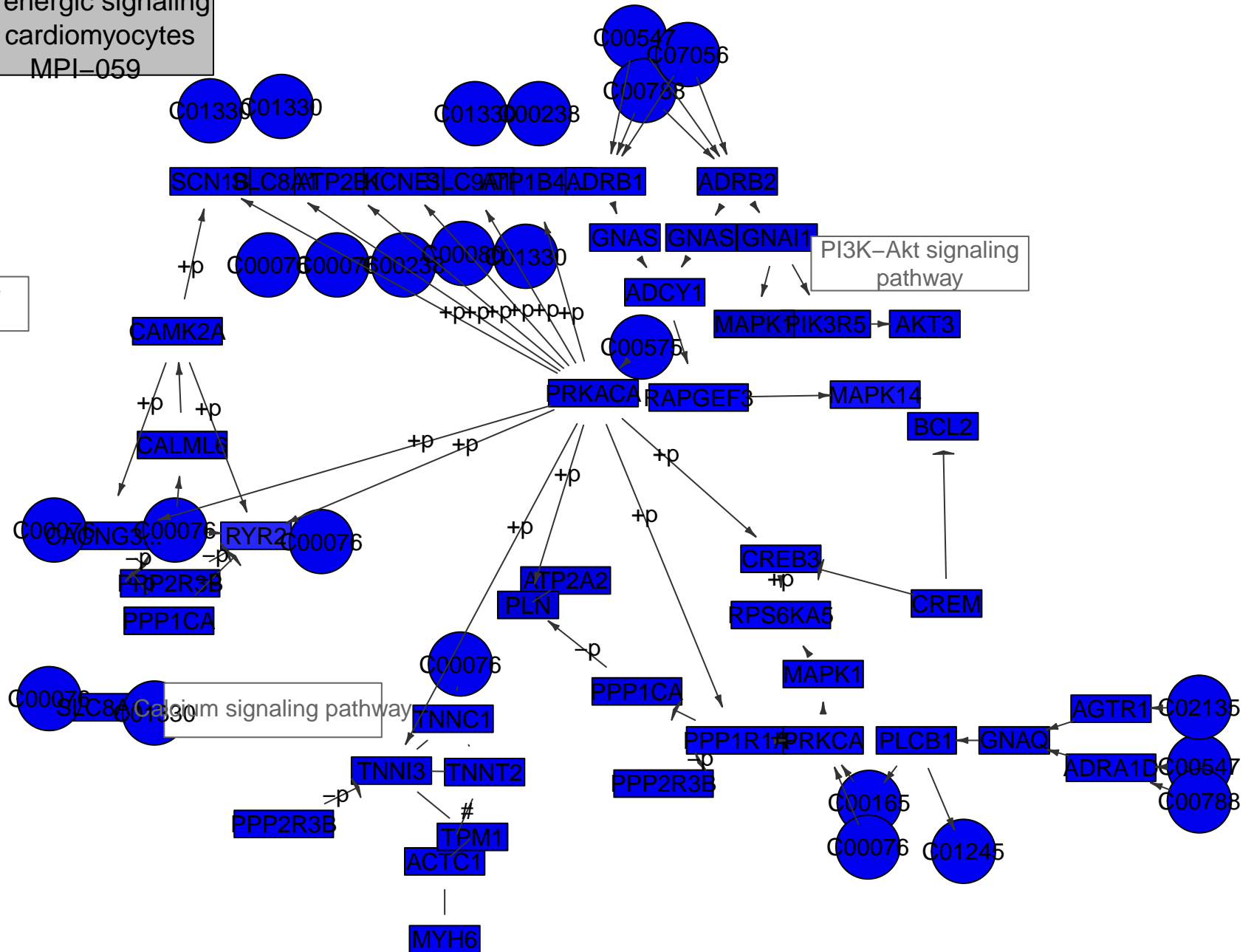
Adrenergic signaling  
in cardiomyocytes  
MPI-054

Cardiac muscle  
contraction



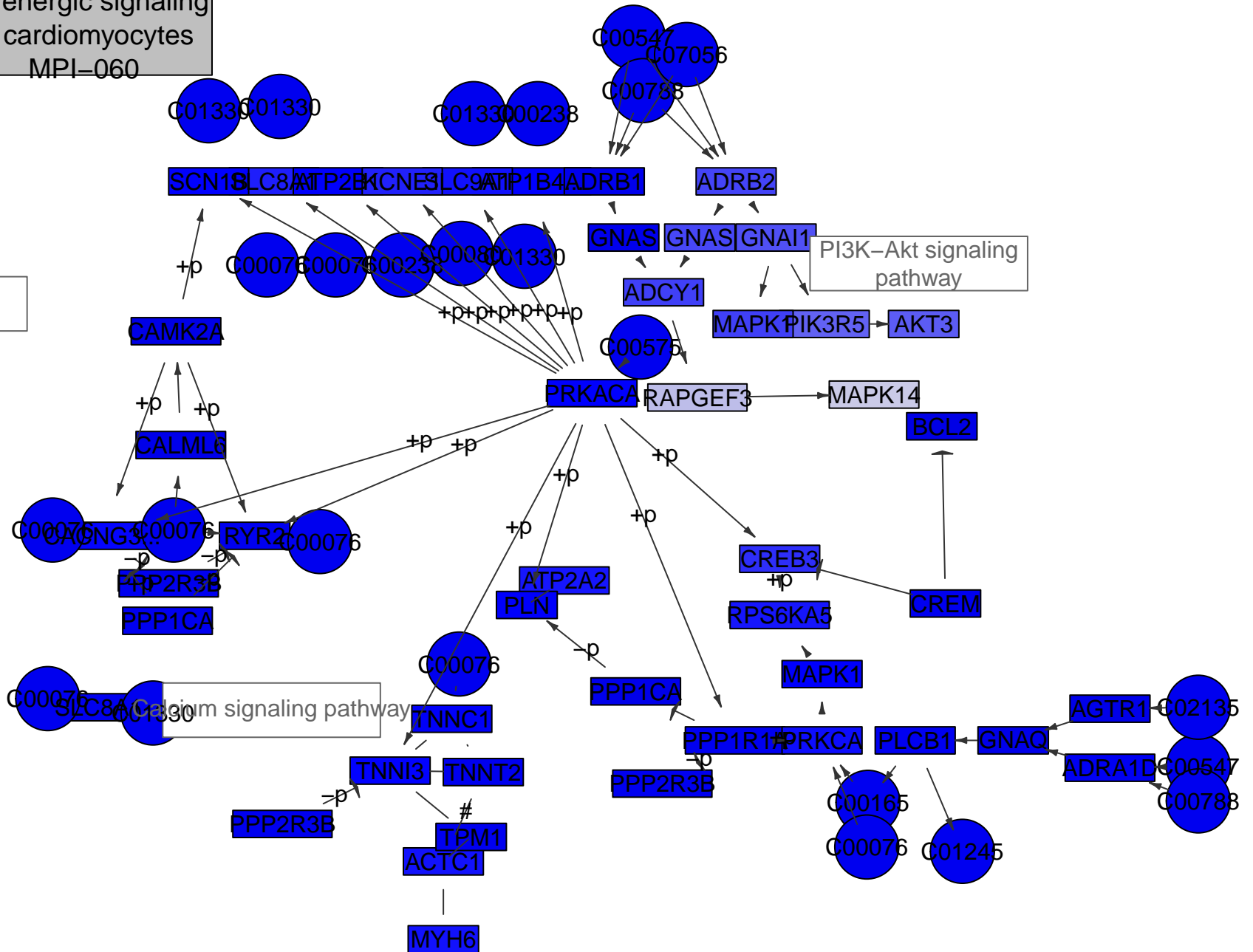
Adrenergic signaling  
in cardiomyocytes  
MPI-059

Cardiac muscle  
contraction



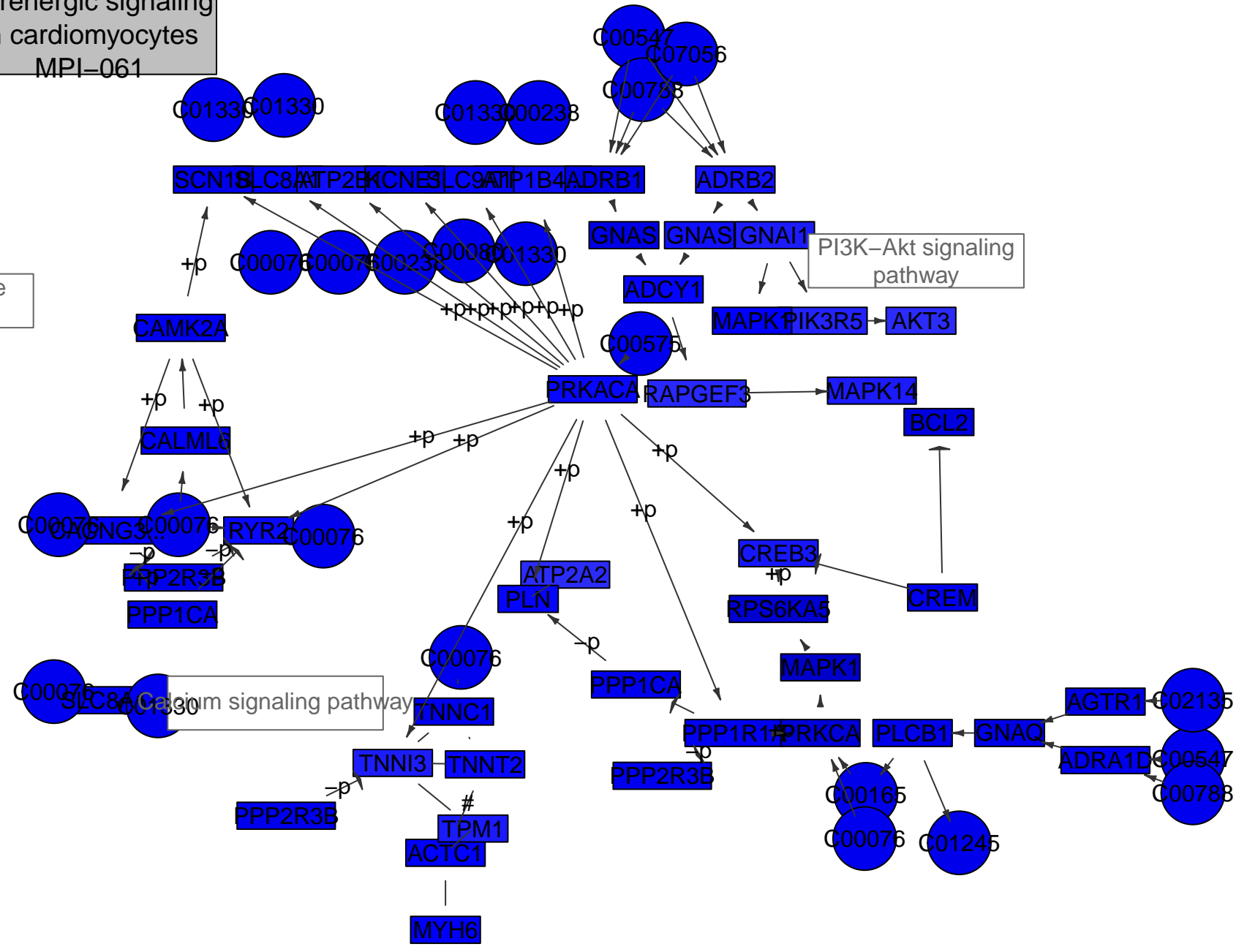
Adrenergic signaling  
in cardiomyocytes  
MPI-060

Cardiac muscle  
contraction



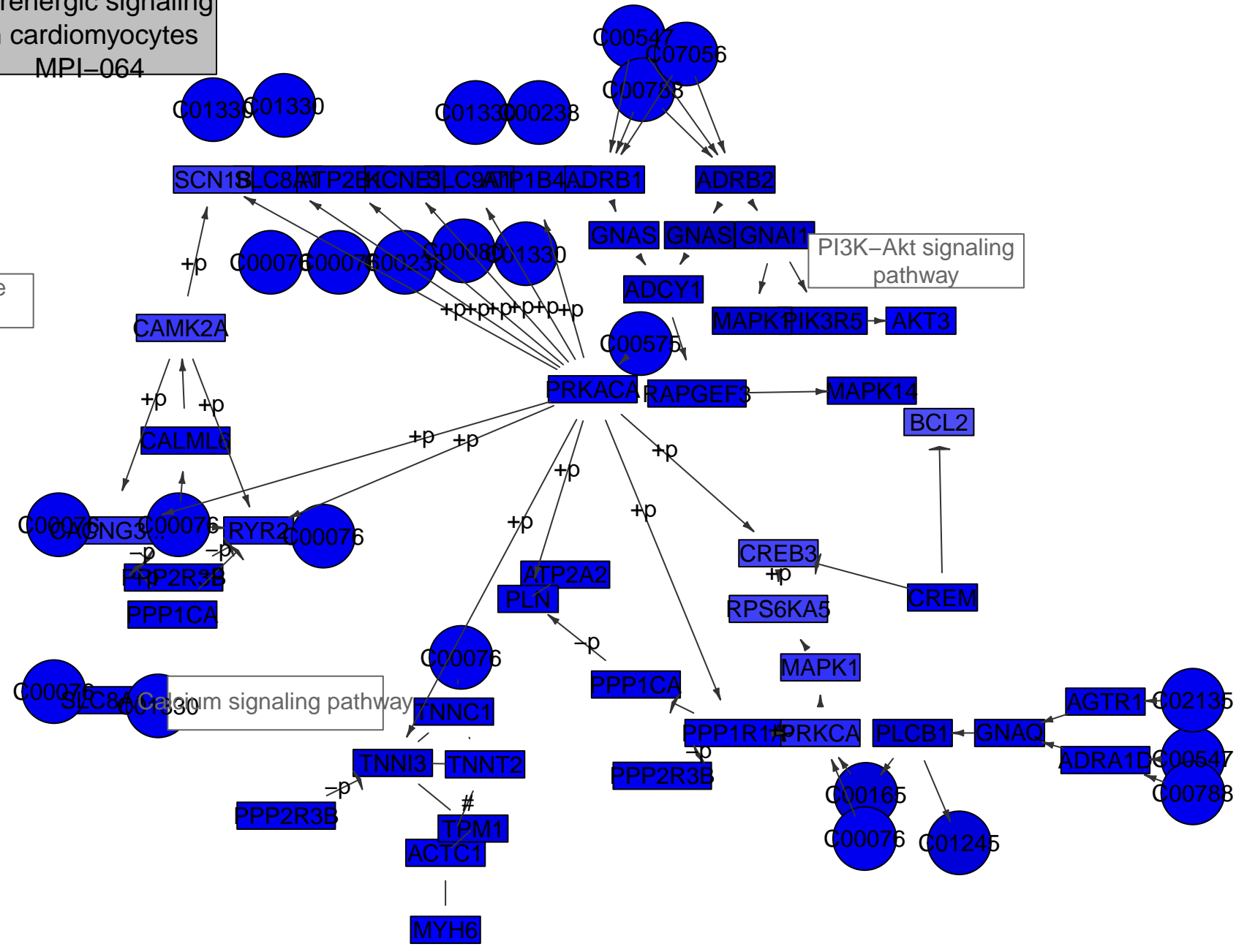
Adrenergic signaling  
in cardiomyocytes  
MPI-061

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-064

Cardiac muscle  
contraction

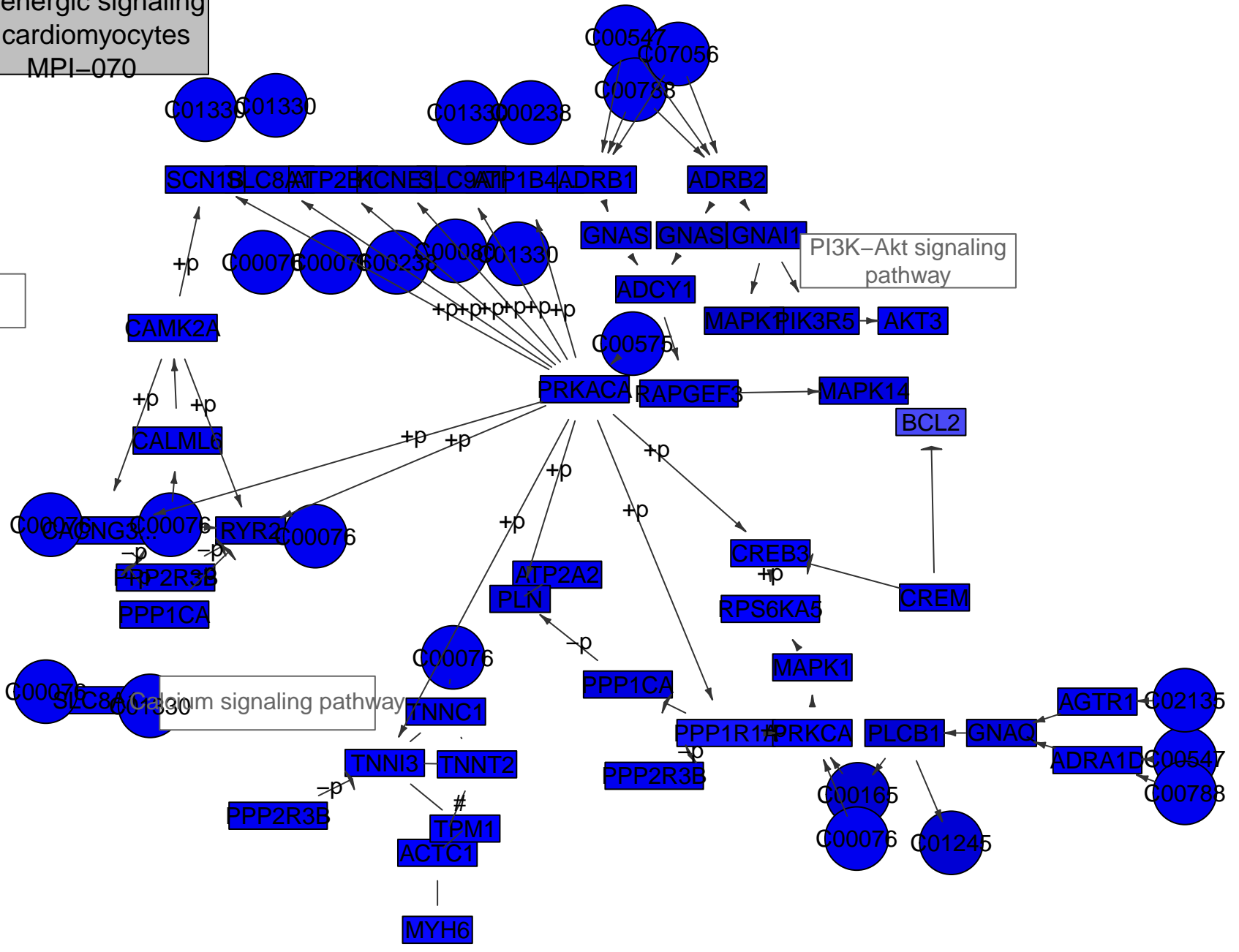


PI3K-Akt signaling  
pathway

Calcium signaling pathway

Adrenergic signaling  
in cardiomyocytes  
MPI-070

Cardiac muscle  
contraction



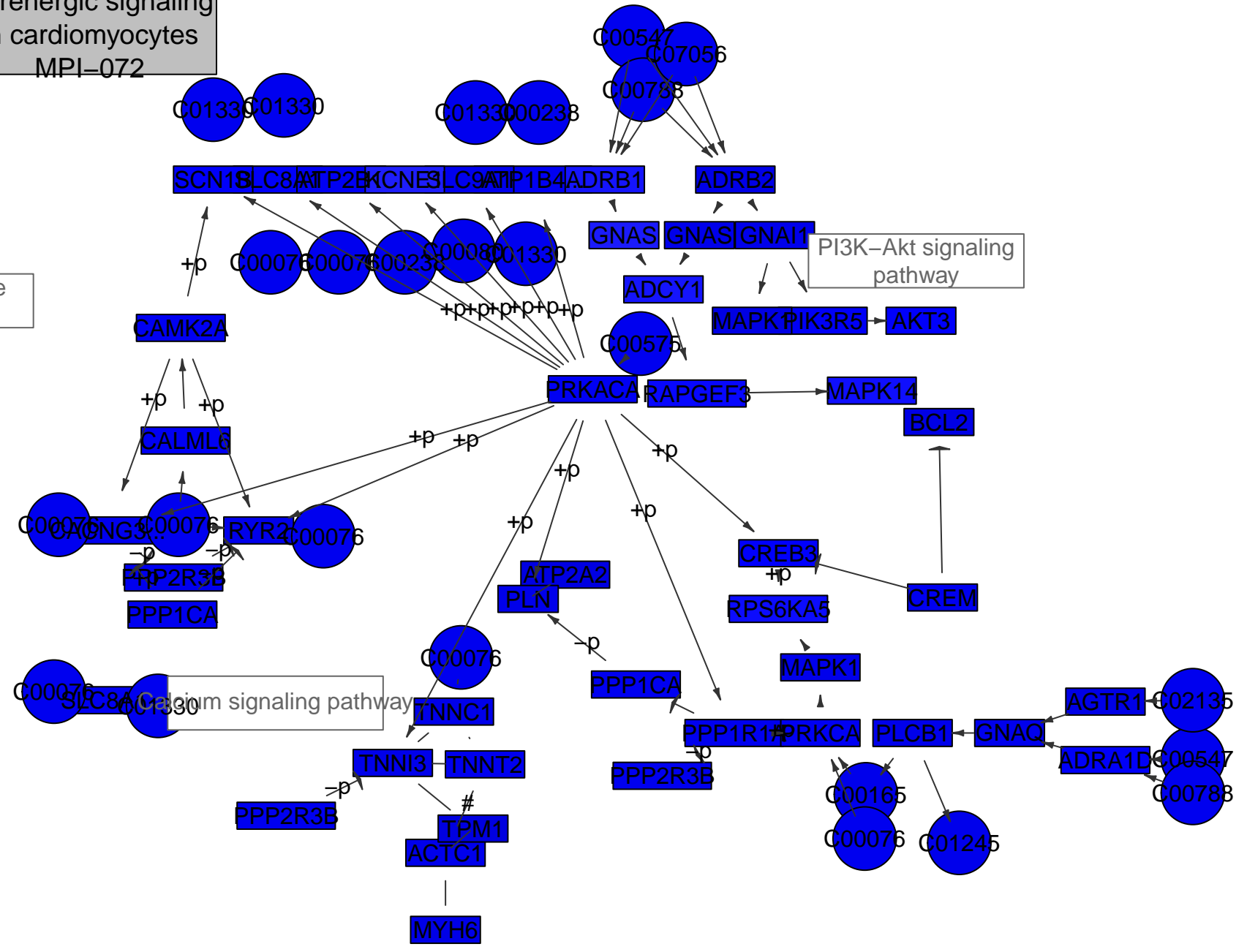
PI3K-Akt signaling  
pathway

Calcium signaling pathway



Adrenergic signaling  
in cardiomyocytes  
MPI-072

Cardiac muscle  
contraction

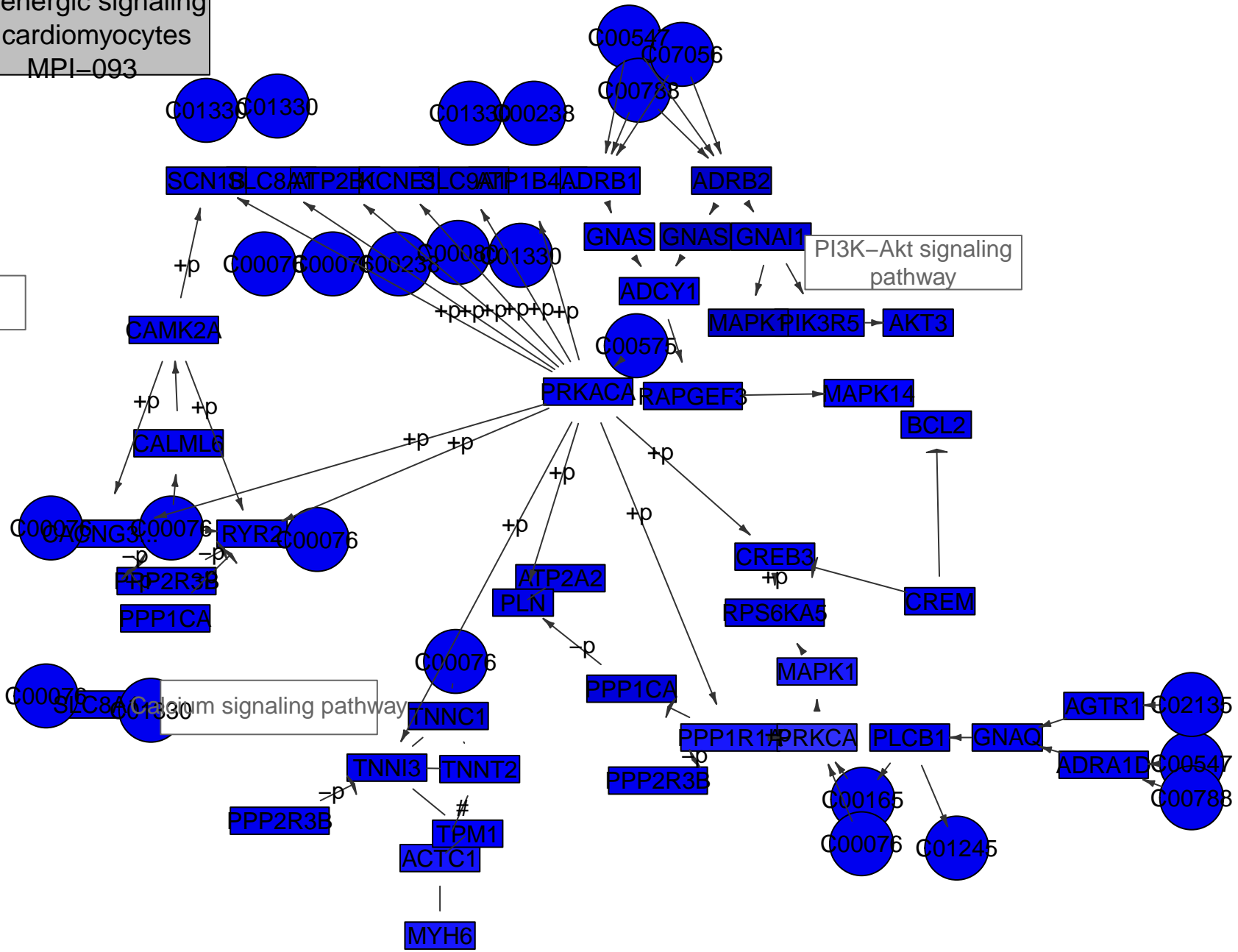


Calcium signaling pathway

PI3K-Akt signaling  
pathway

Adrenergic signaling  
in cardiomyocytes  
MPI-093

Cardiac muscle  
contraction

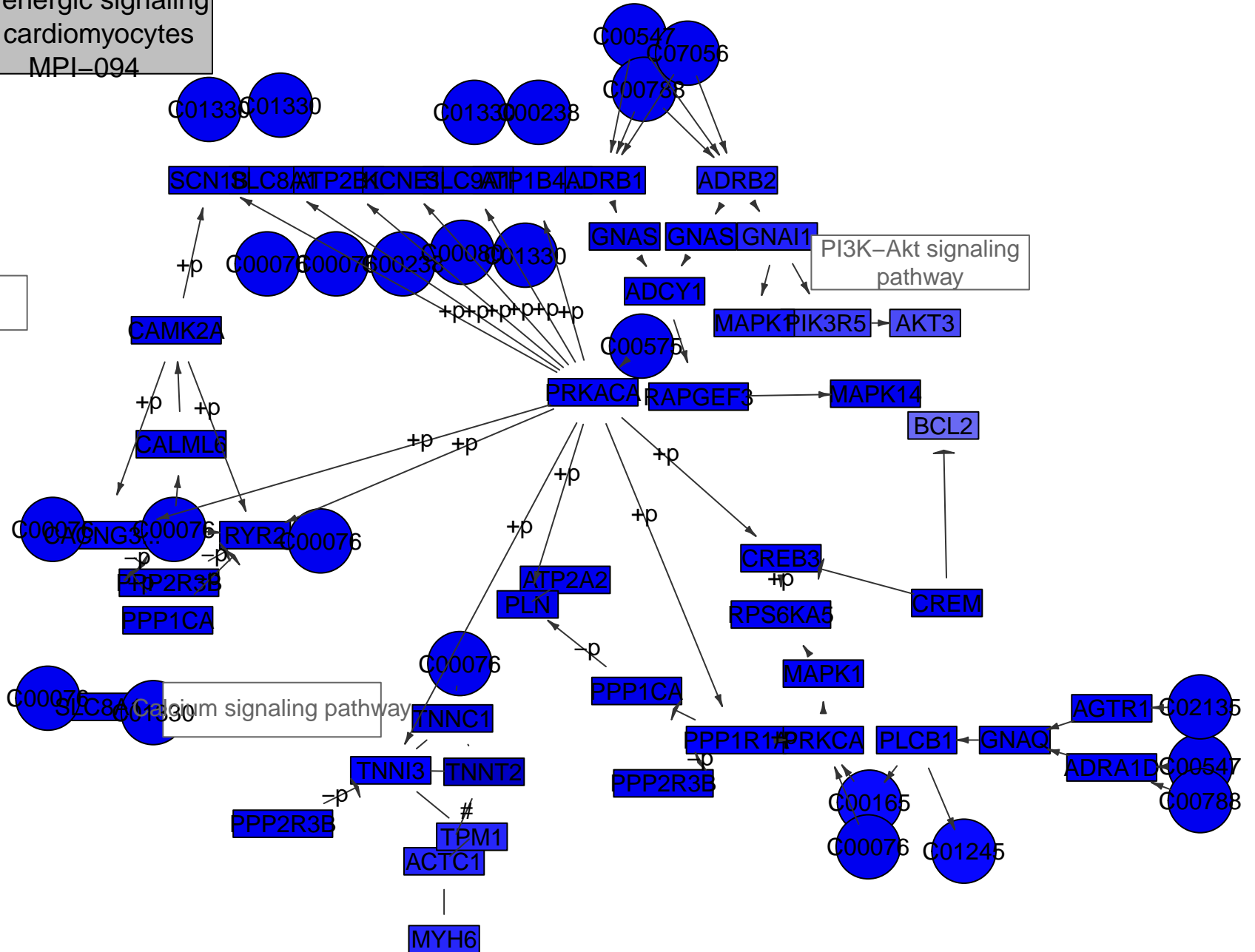


PI3K-Akt signaling  
pathway

Calcium signaling pathway

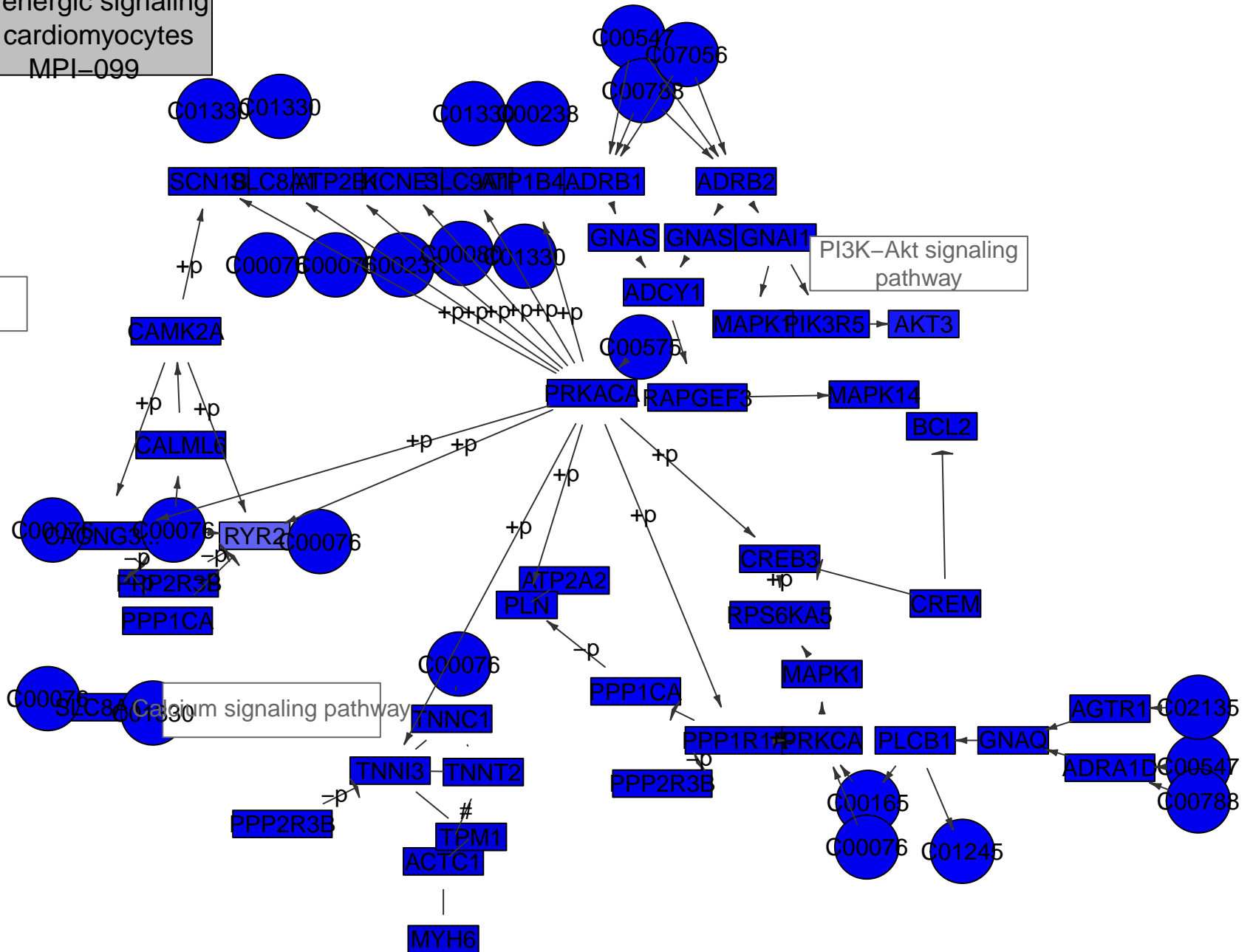
Adrenergic signaling  
in cardiomyocytes  
MPI-094

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-099

Cardiac muscle  
contraction

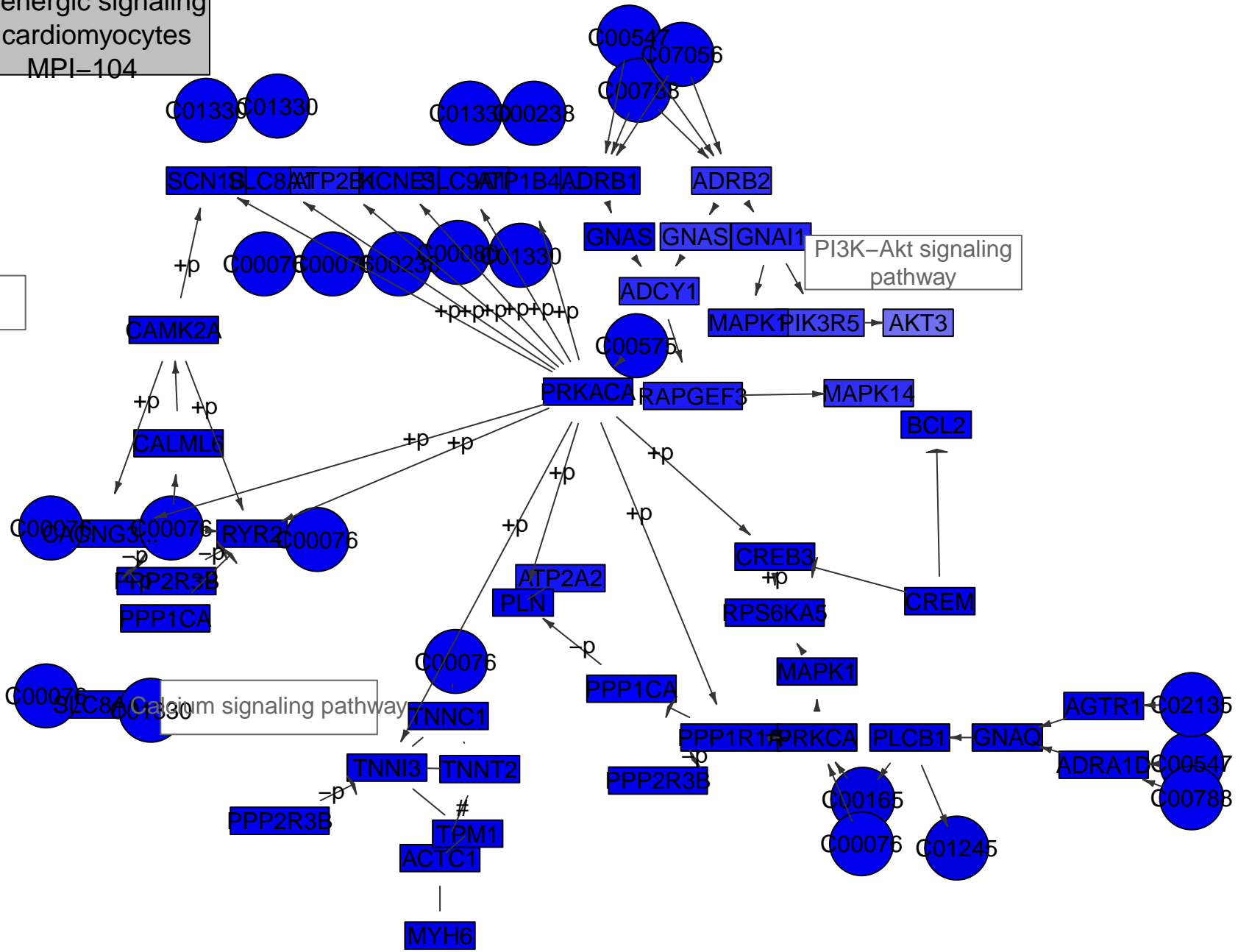


Adrenergic signaling  
in cardiomyocytes  
MPI-104

Cardiac muscle  
contraction

PI3K-Akt signaling  
pathway

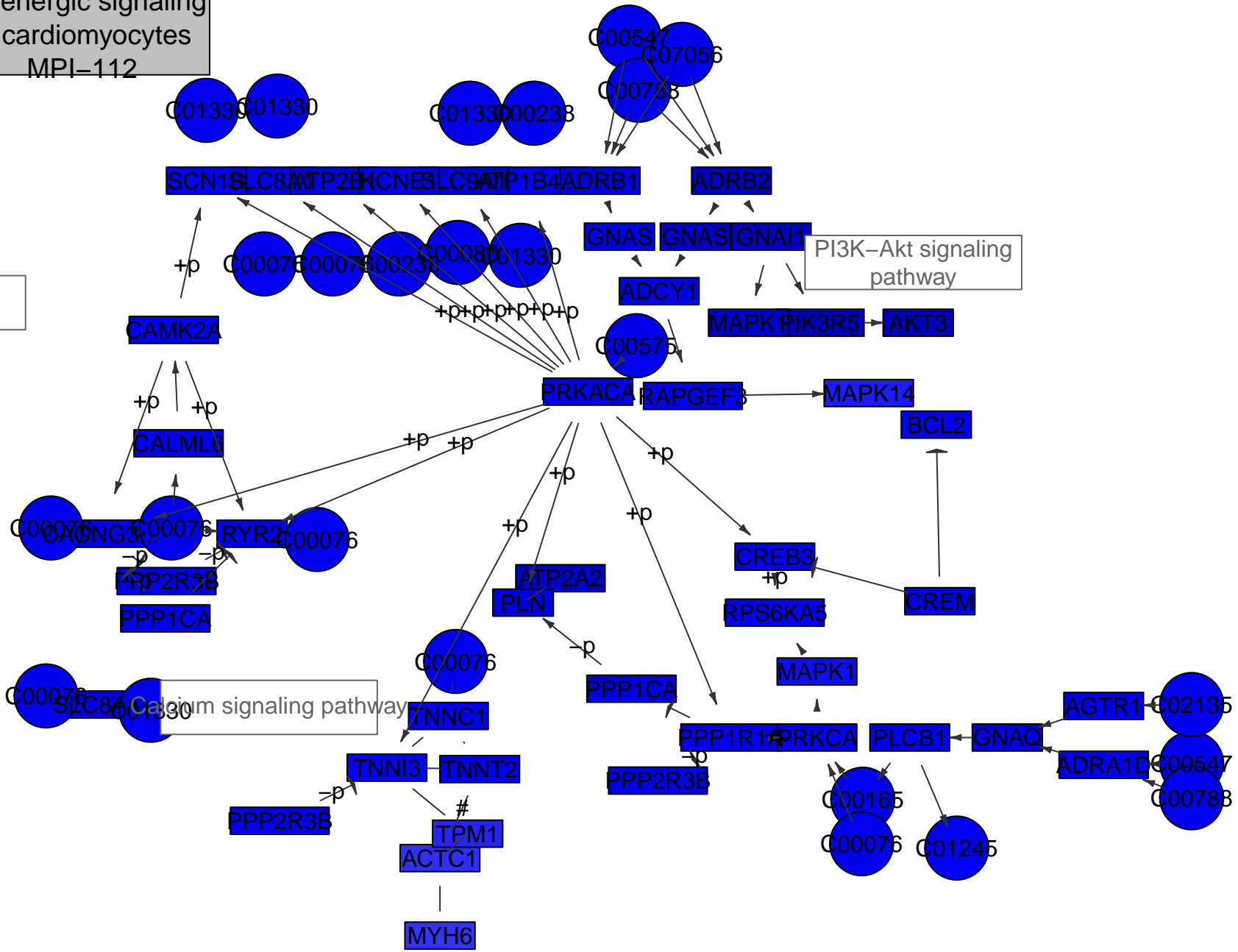
Calcium signaling pathway





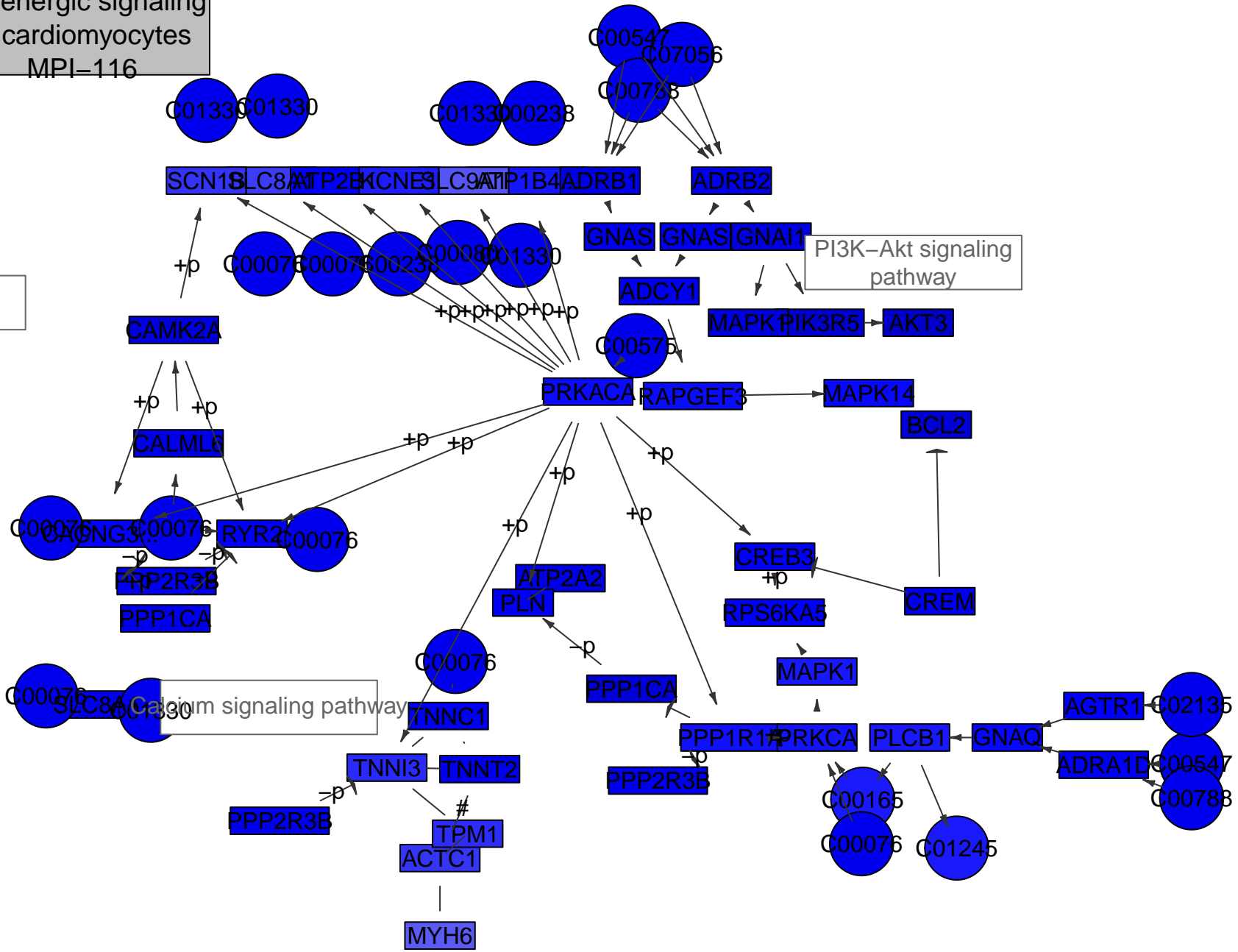
Adrenergic signaling  
in cardiomyocytes  
MPI-112

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-116

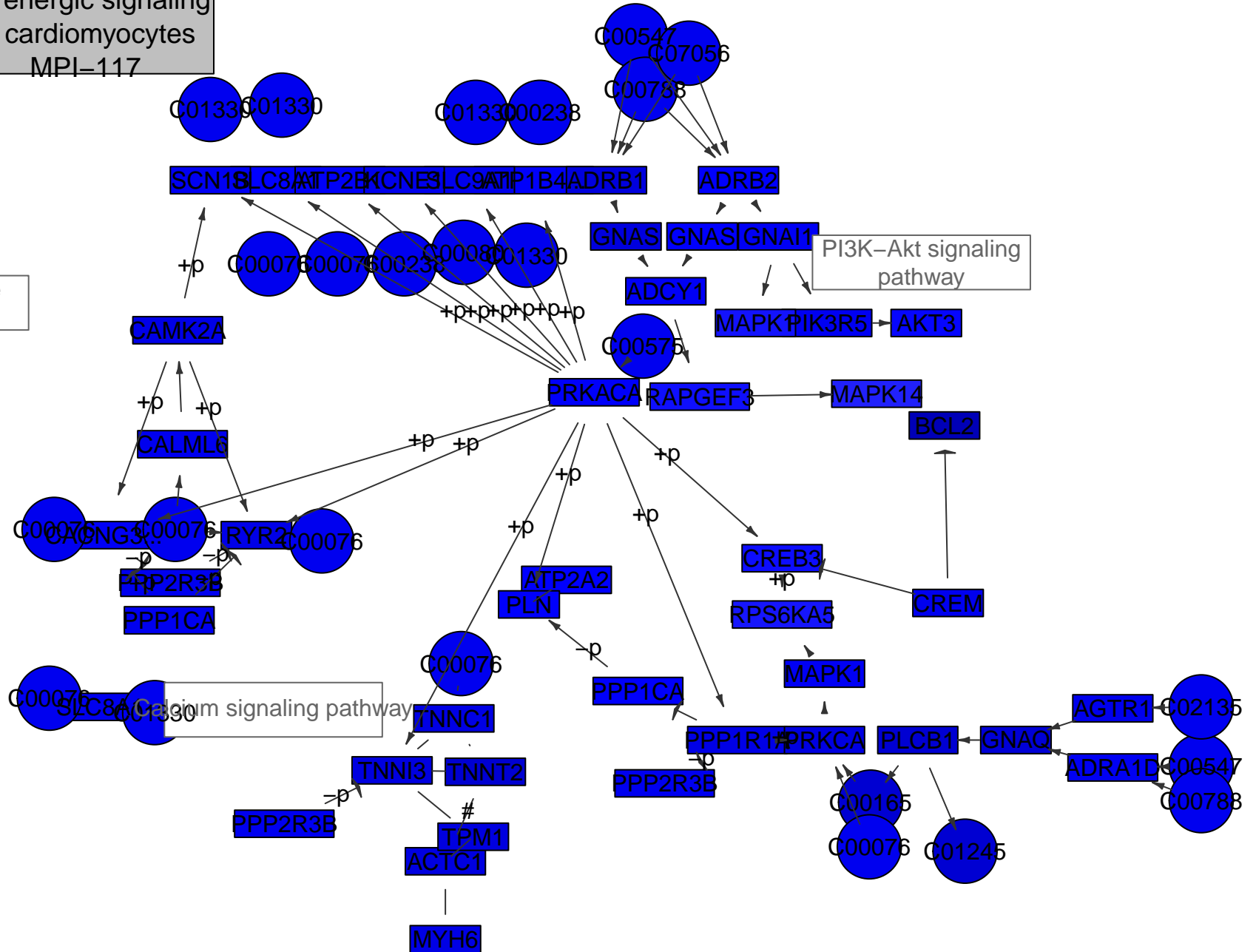
Cardiac muscle  
contraction





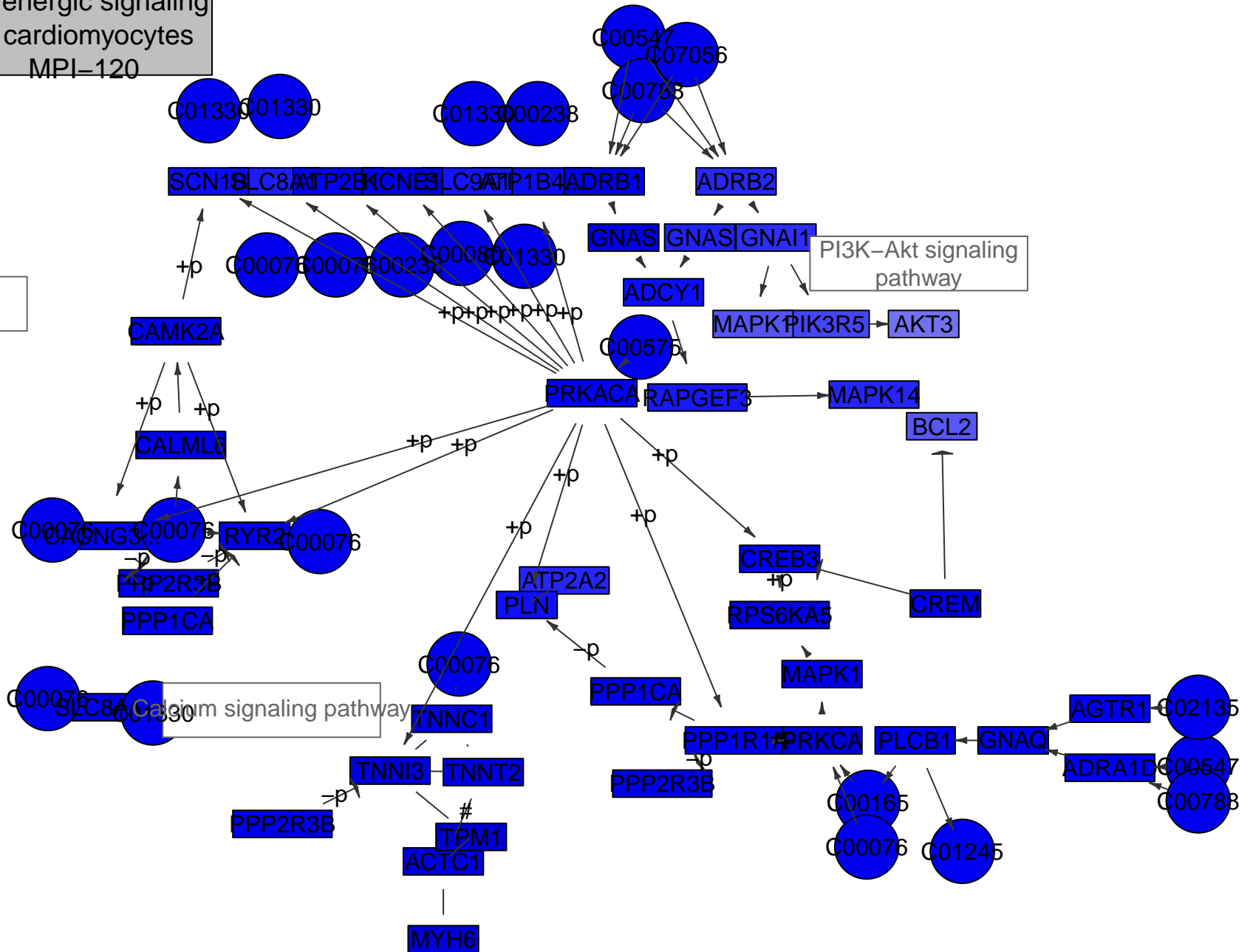
Adrenergic signaling  
in cardiomyocytes  
MPI-117

Cardiac muscle  
contraction



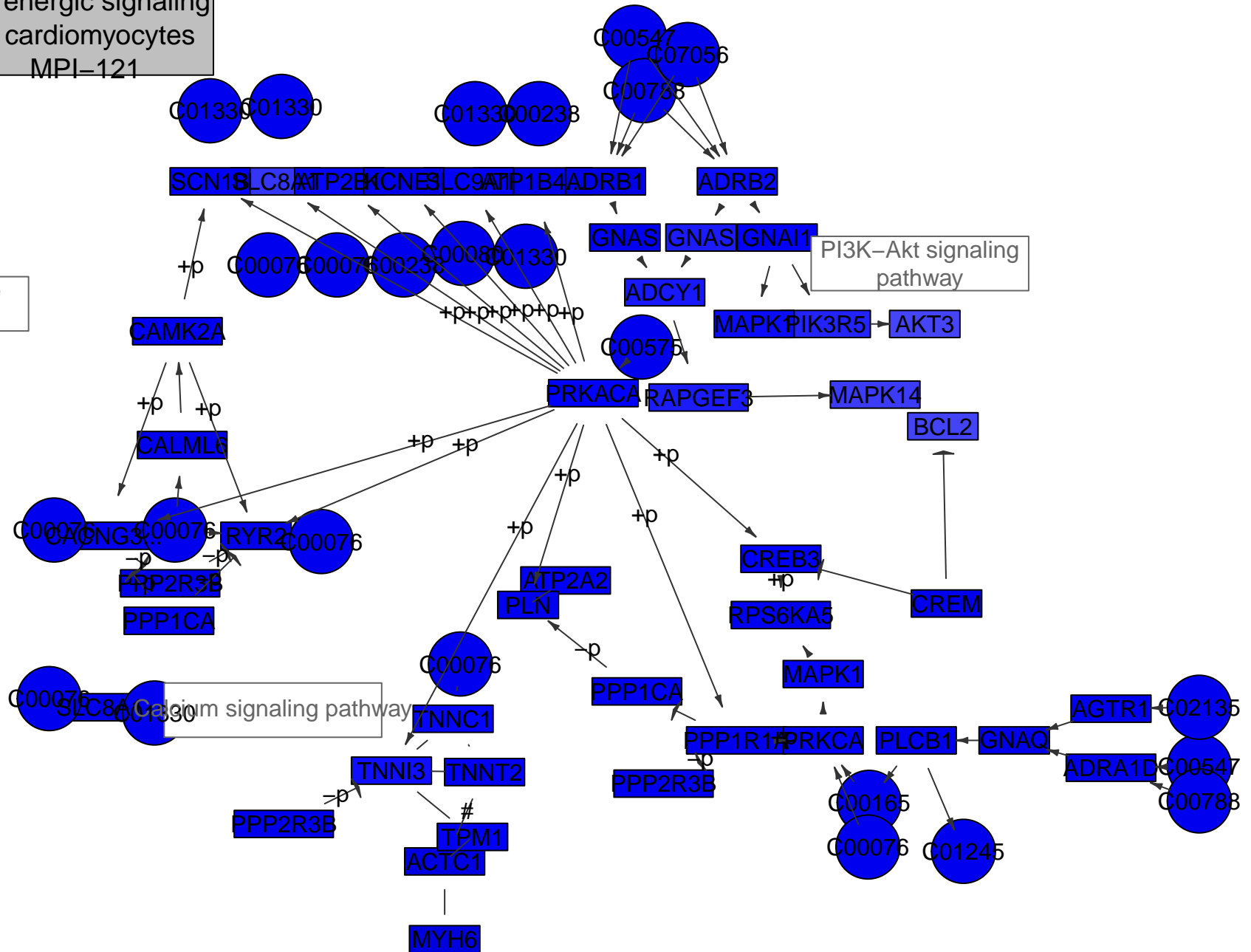
Adrenergic signaling  
in cardiomyocytes  
MPI-120

Cardiac muscle  
contraction



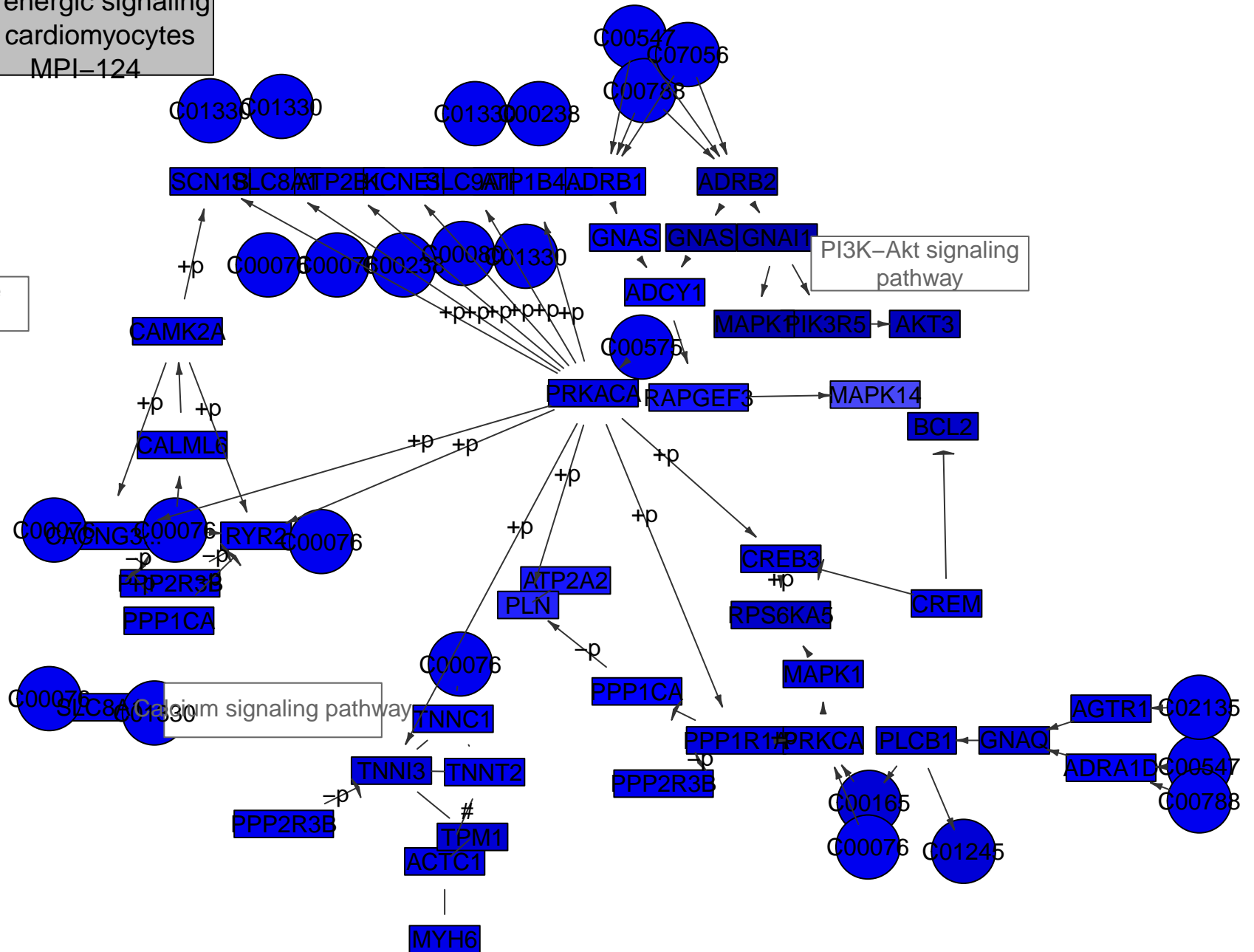
Adrenergic signaling  
in cardiomyocytes  
MPI-121

Cardiac muscle  
contraction



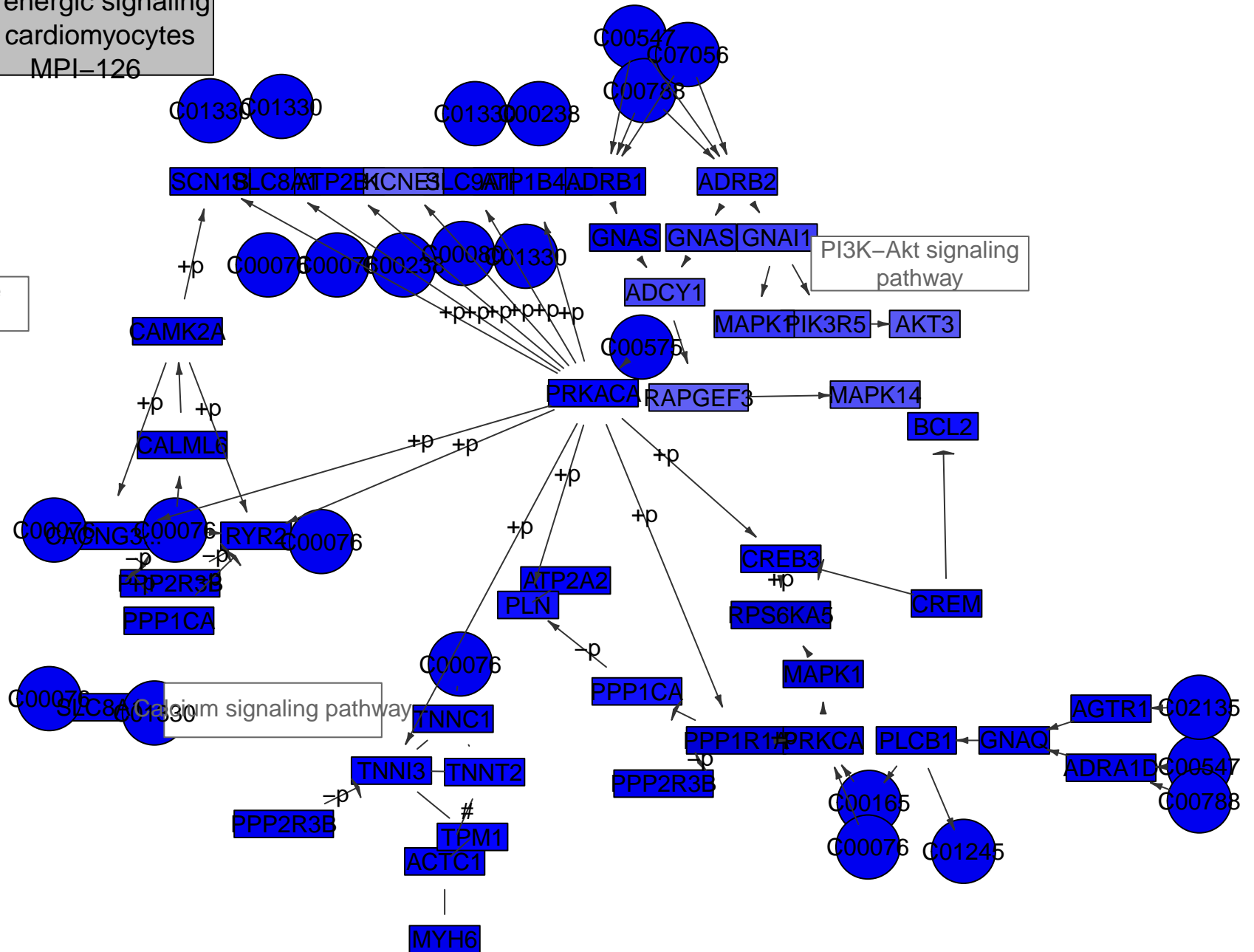
Adrenergic signaling  
in cardiomyocytes  
MPI-124

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-126

Cardiac muscle  
contraction

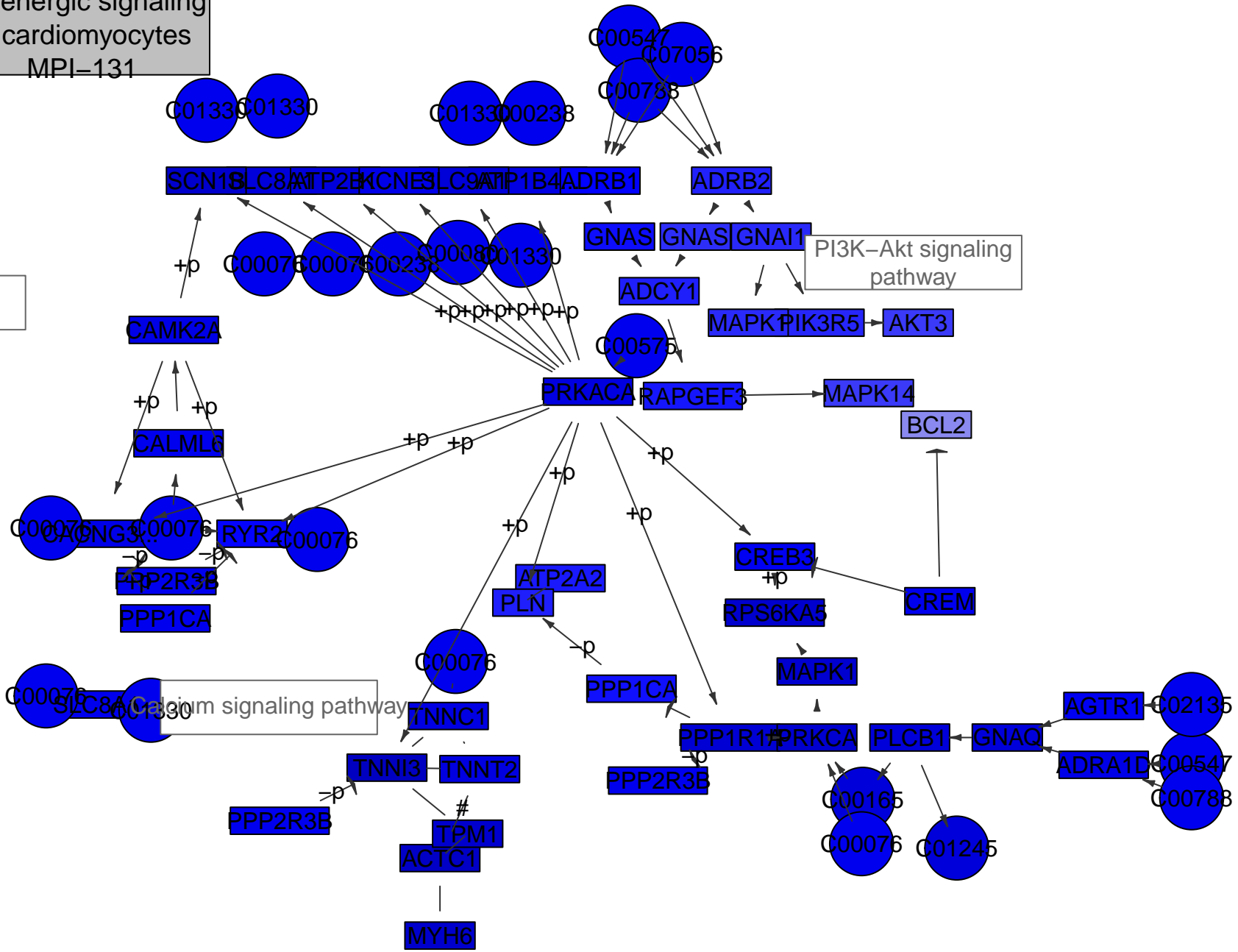


Adrenergic signaling  
in cardiomyocytes  
MPI-131

Cardiac muscle  
contraction

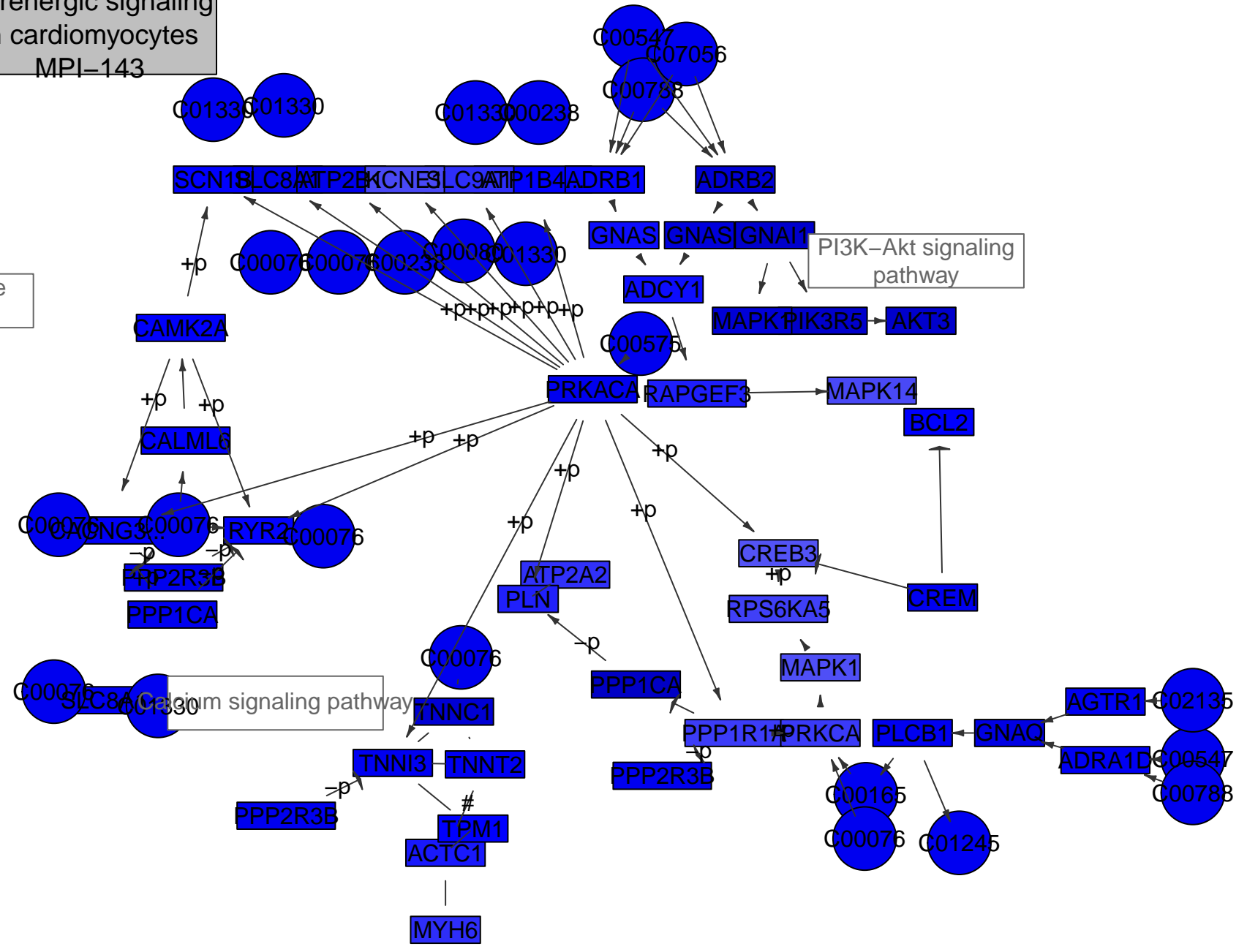
PI3K-Akt signaling  
pathway

Calcium signaling pathway



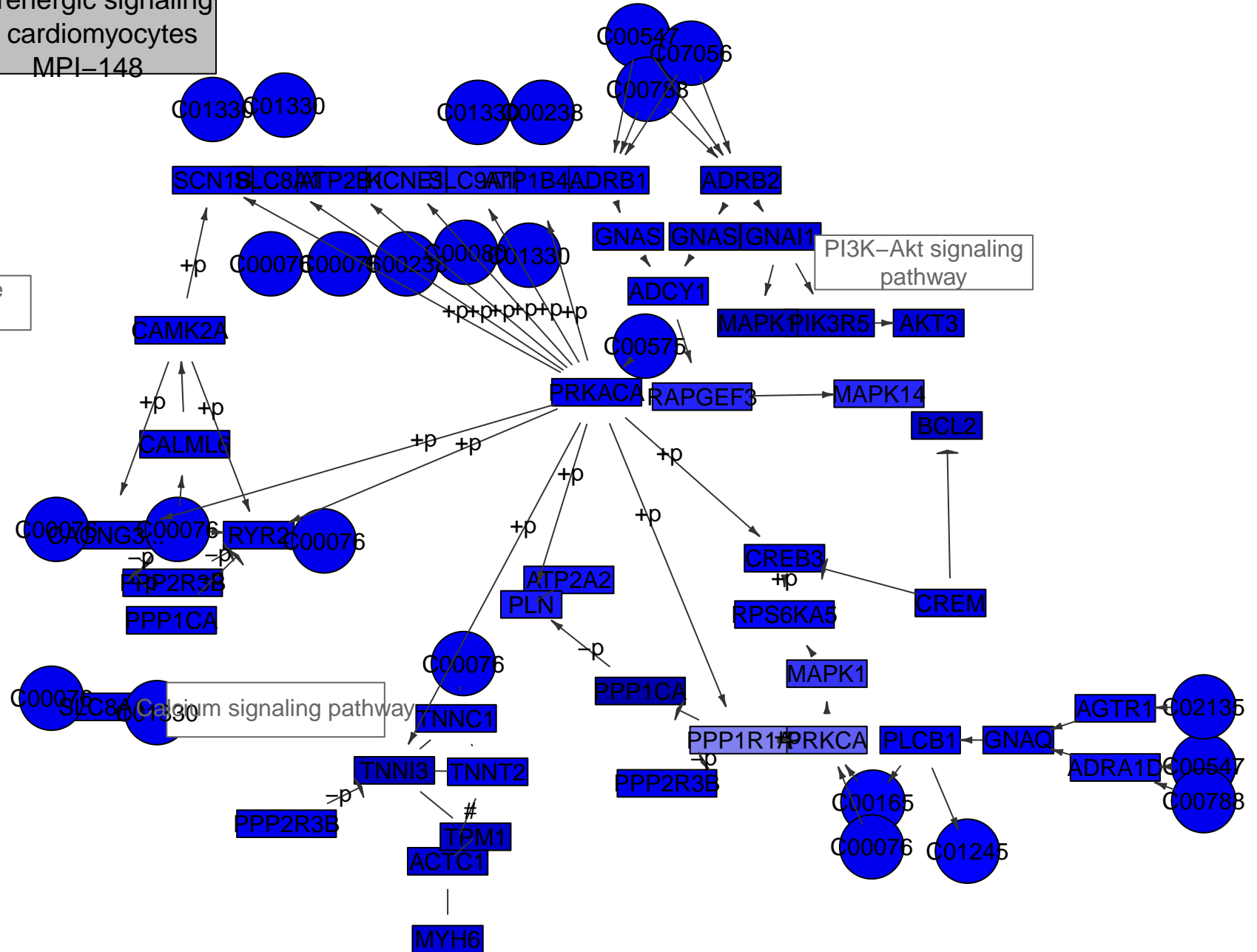
Adrenergic signaling  
in cardiomyocytes  
MPI-143

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-148

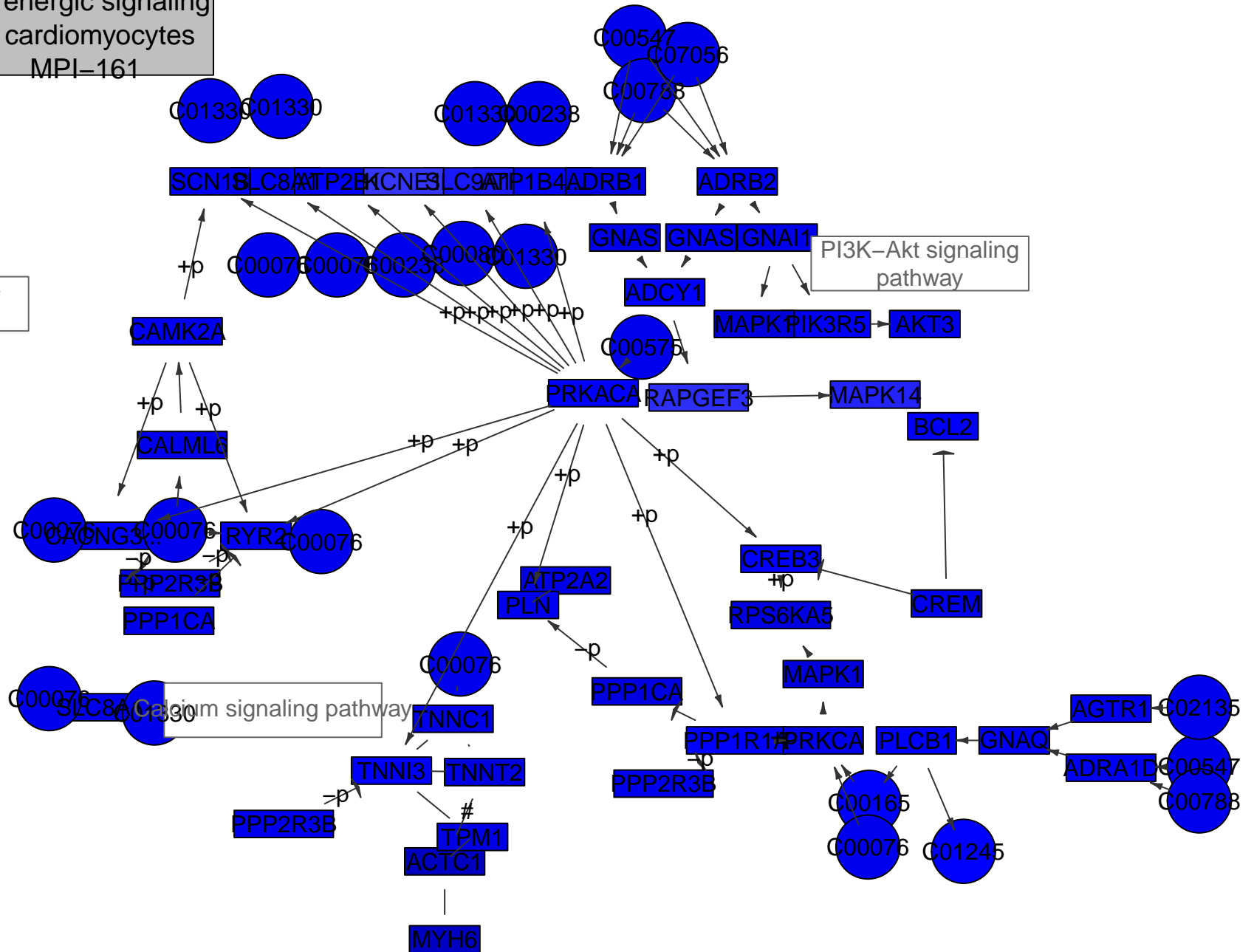
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-161

Cardiac muscle  
contraction

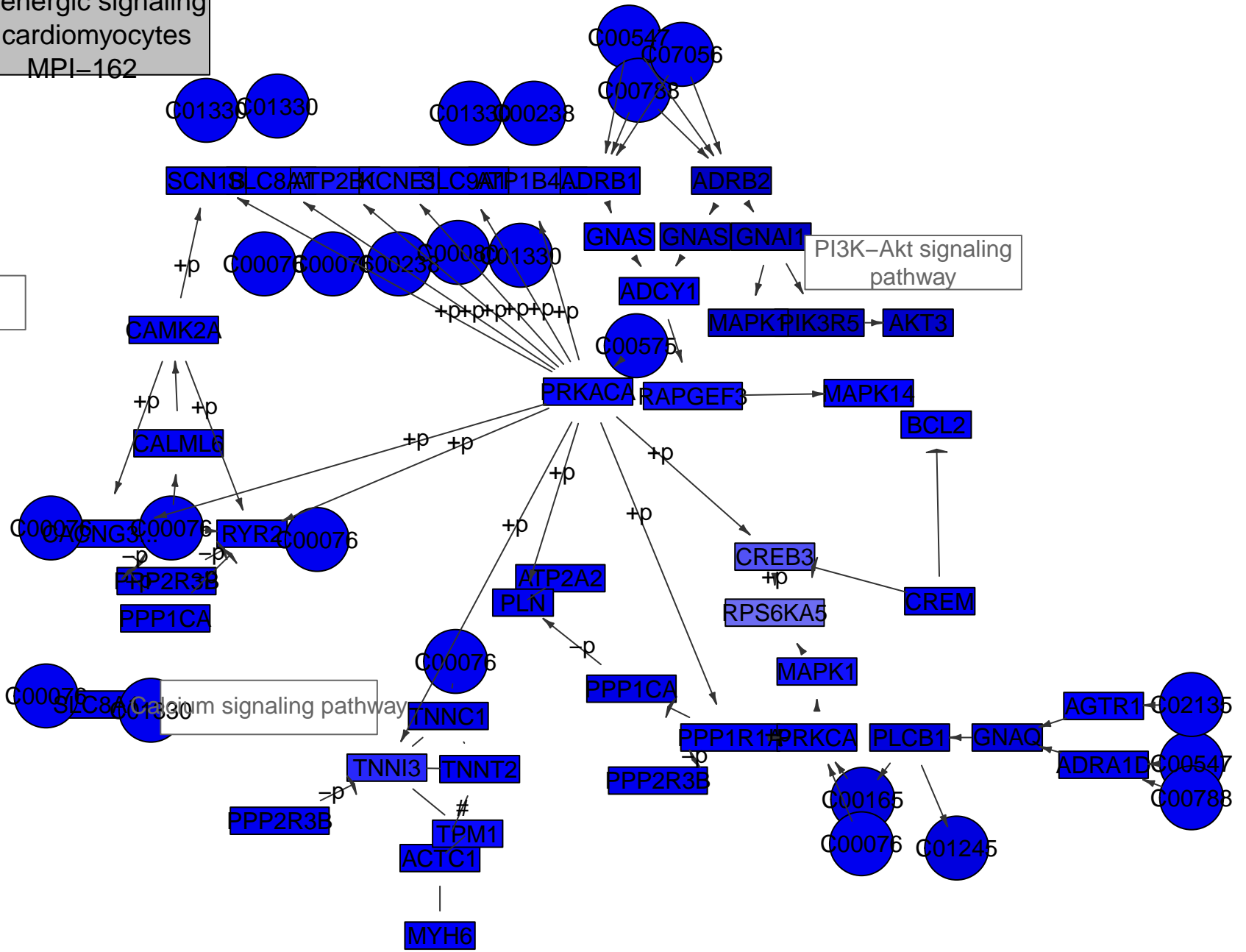


Adrenergic signaling  
in cardiomyocytes  
MPI-162

Cardiac muscle  
contraction

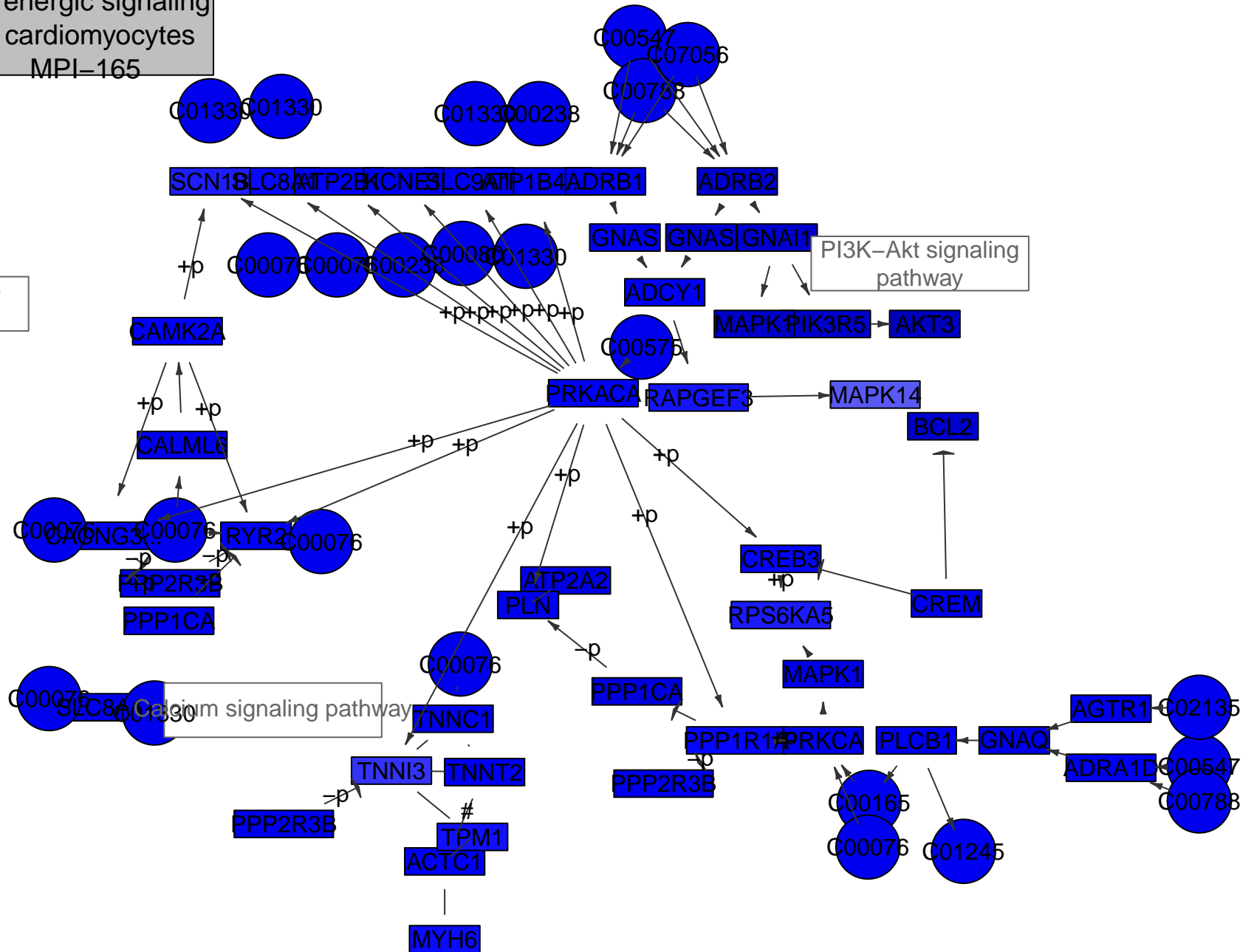
PI3K-Akt signaling  
pathway

Calcium signaling pathway



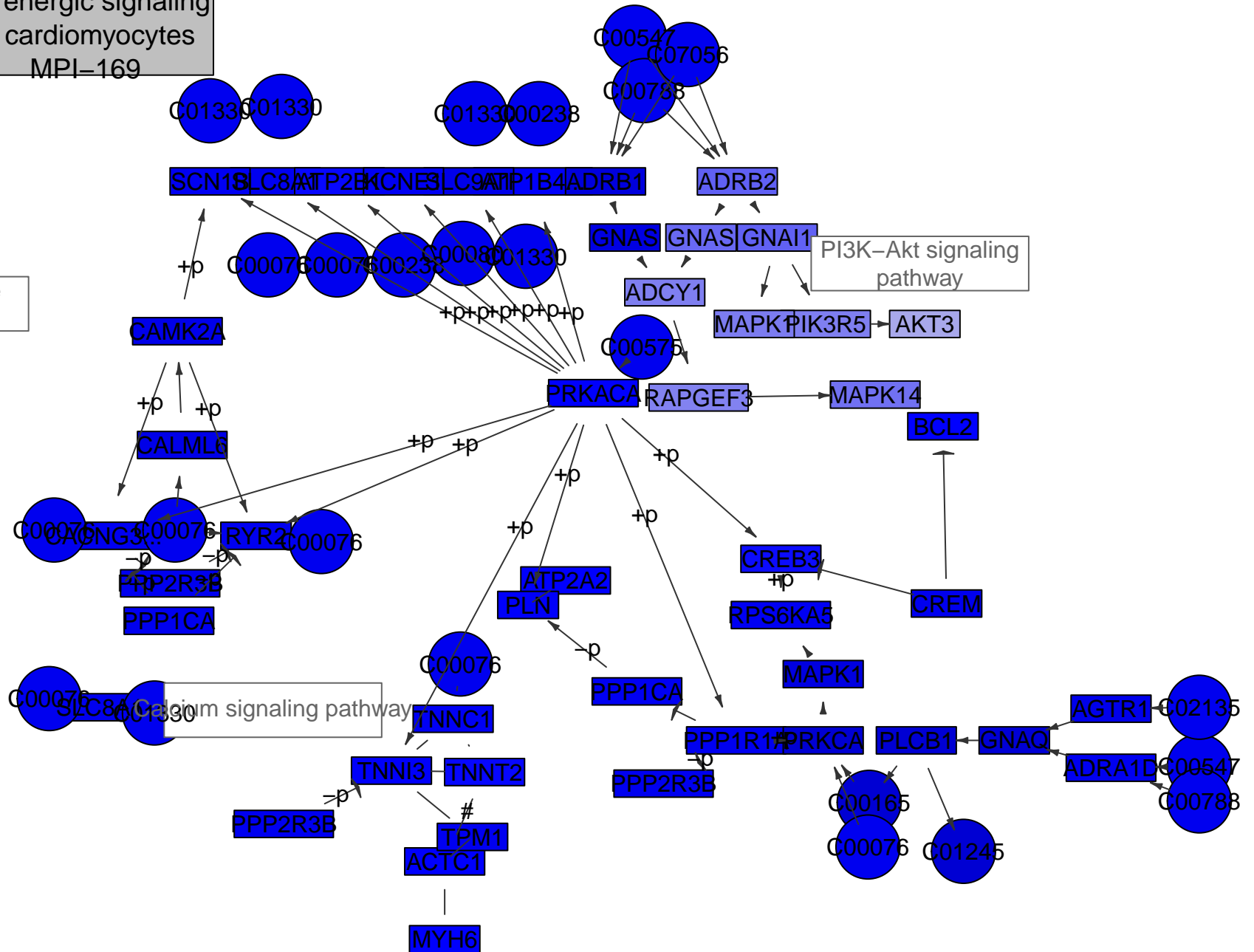
Adrenergic signaling  
in cardiomyocytes  
MPI-165

Cardiac muscle  
contraction



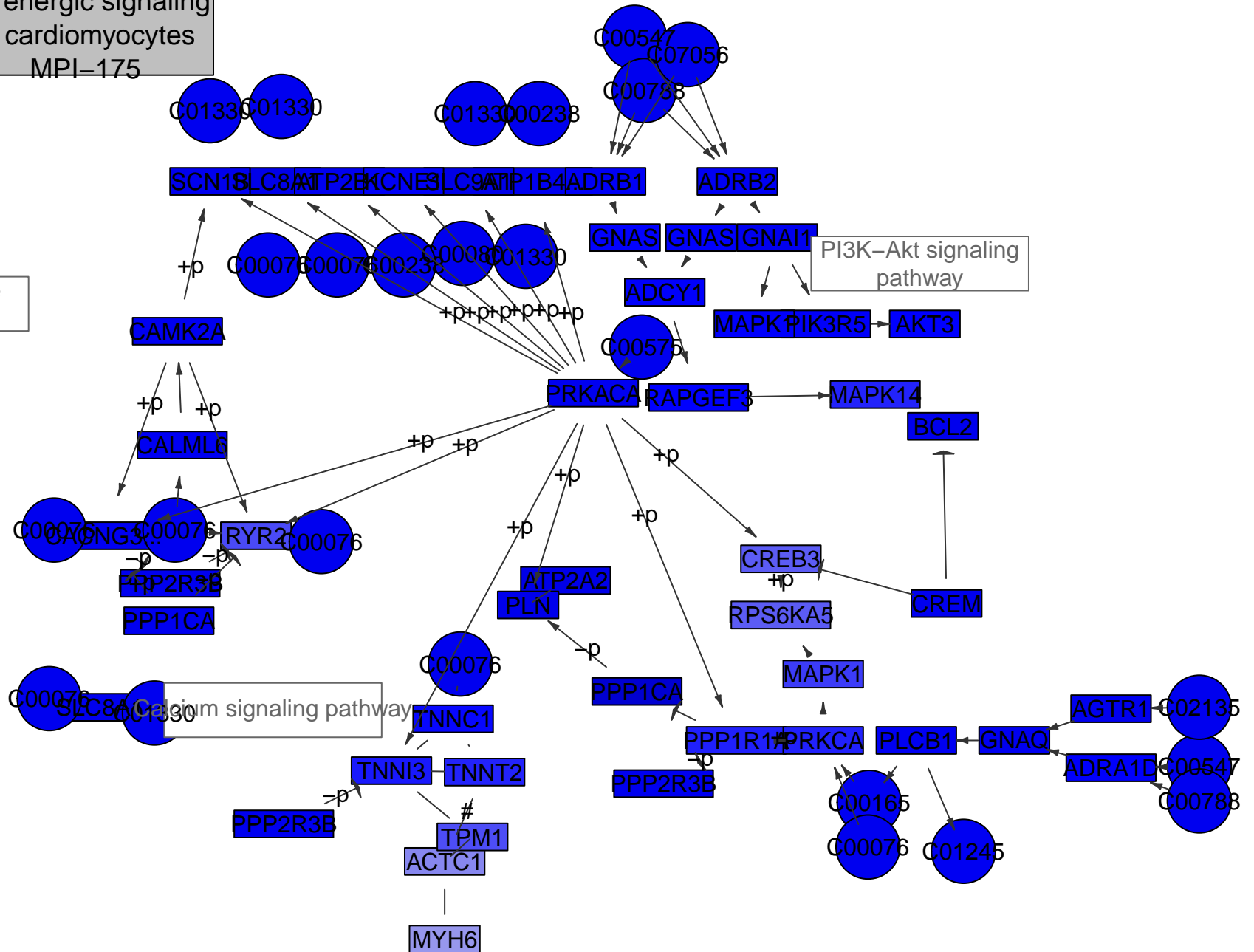
Adrenergic signaling  
in cardiomyocytes  
MPI-169

Cardiac muscle  
contraction



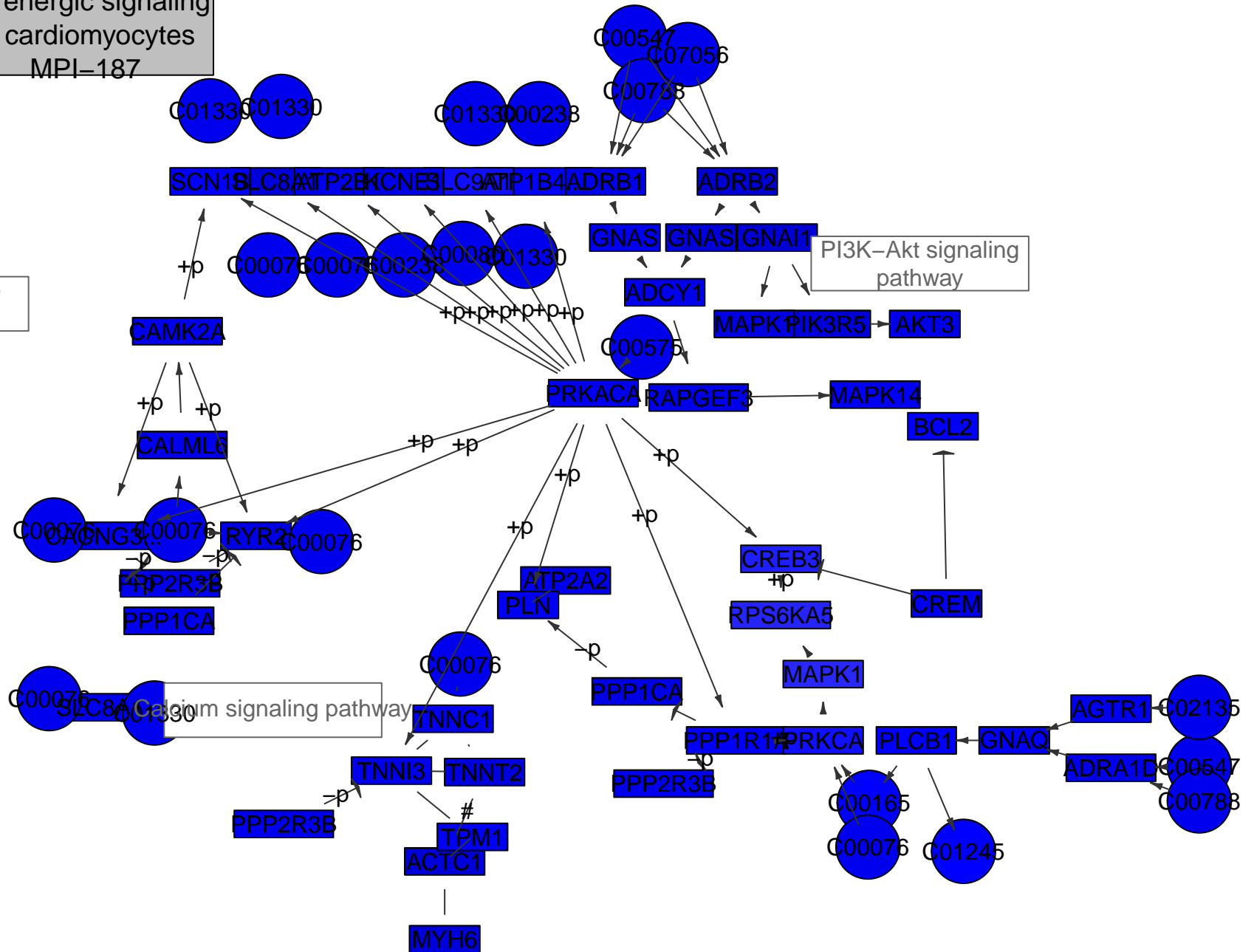
Adrenergic signaling  
in cardiomyocytes  
MPI-175

Cardiac muscle  
contraction



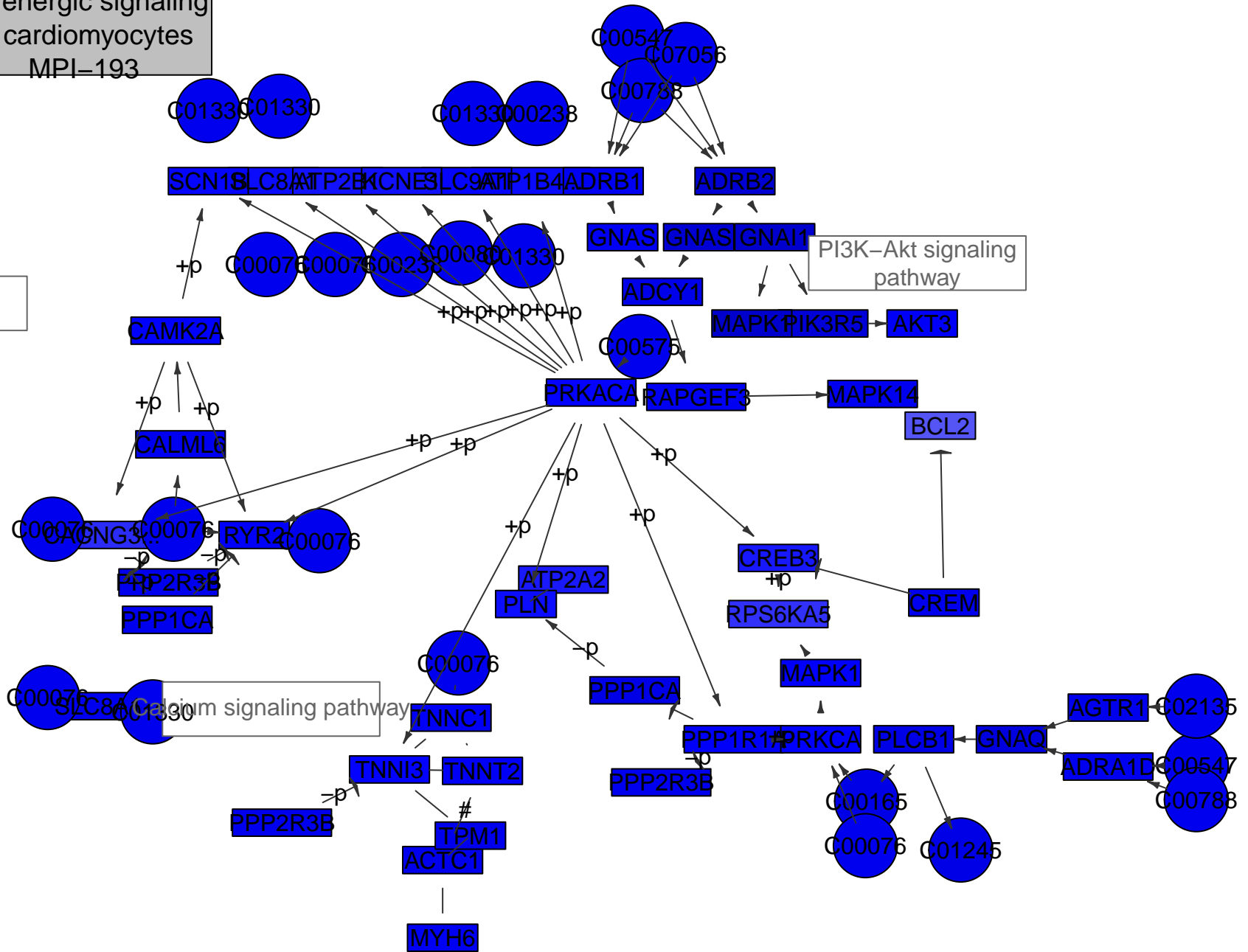
Adrenergic signaling  
in cardiomyocytes  
MPI-187

Cardiac muscle  
contraction



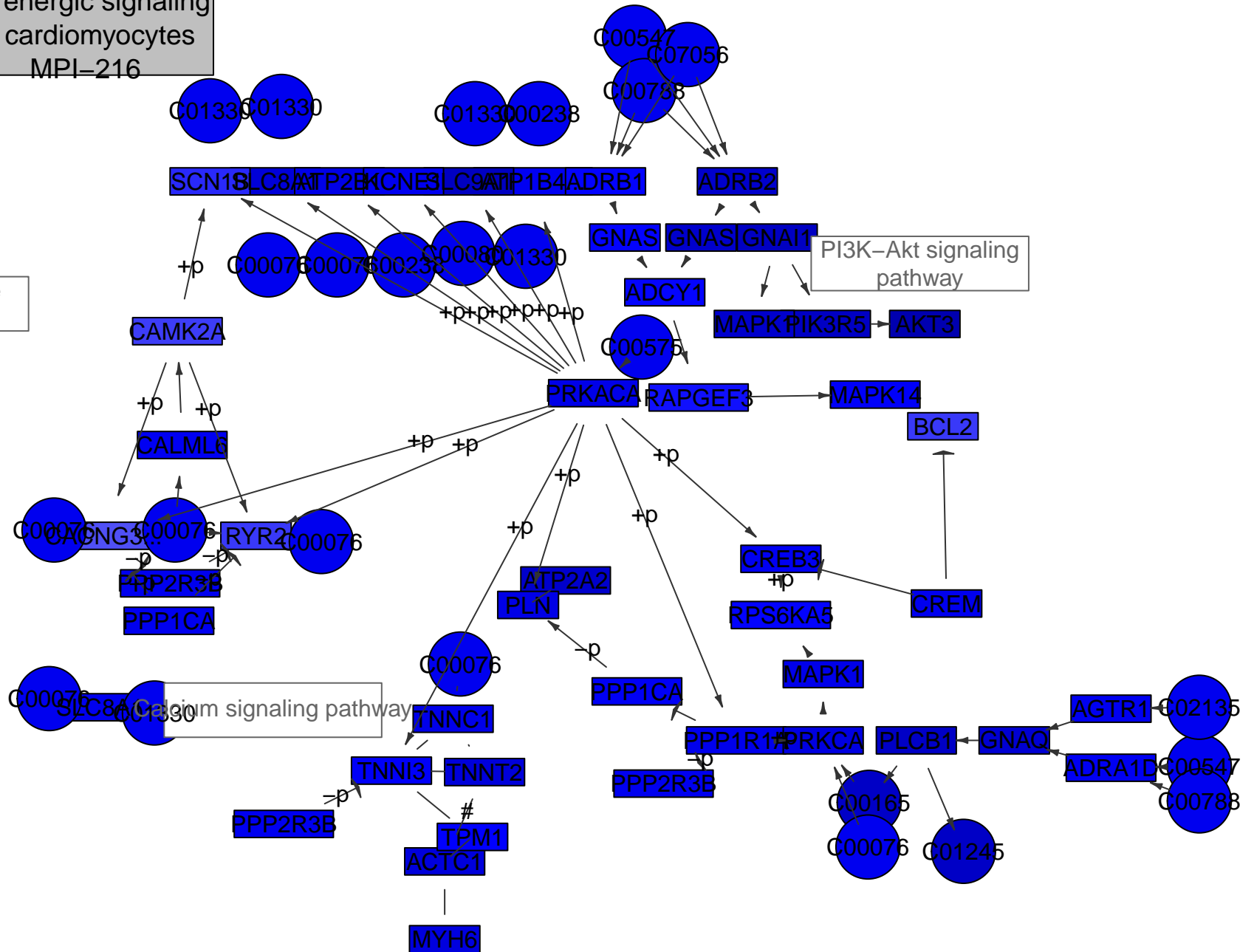
Adrenergic signaling  
in cardiomyocytes  
MPI-193

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-216

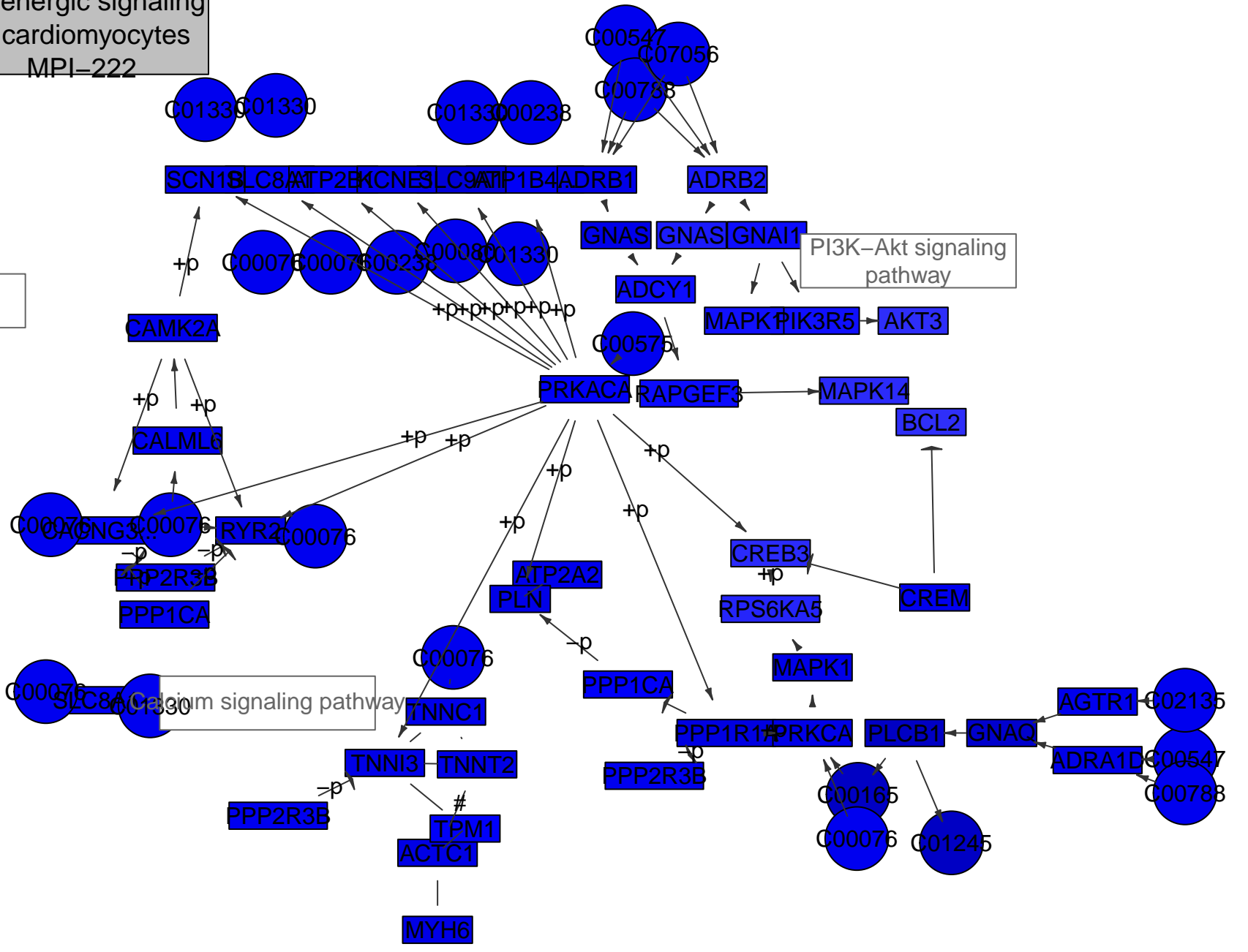
Cardiac muscle  
contraction





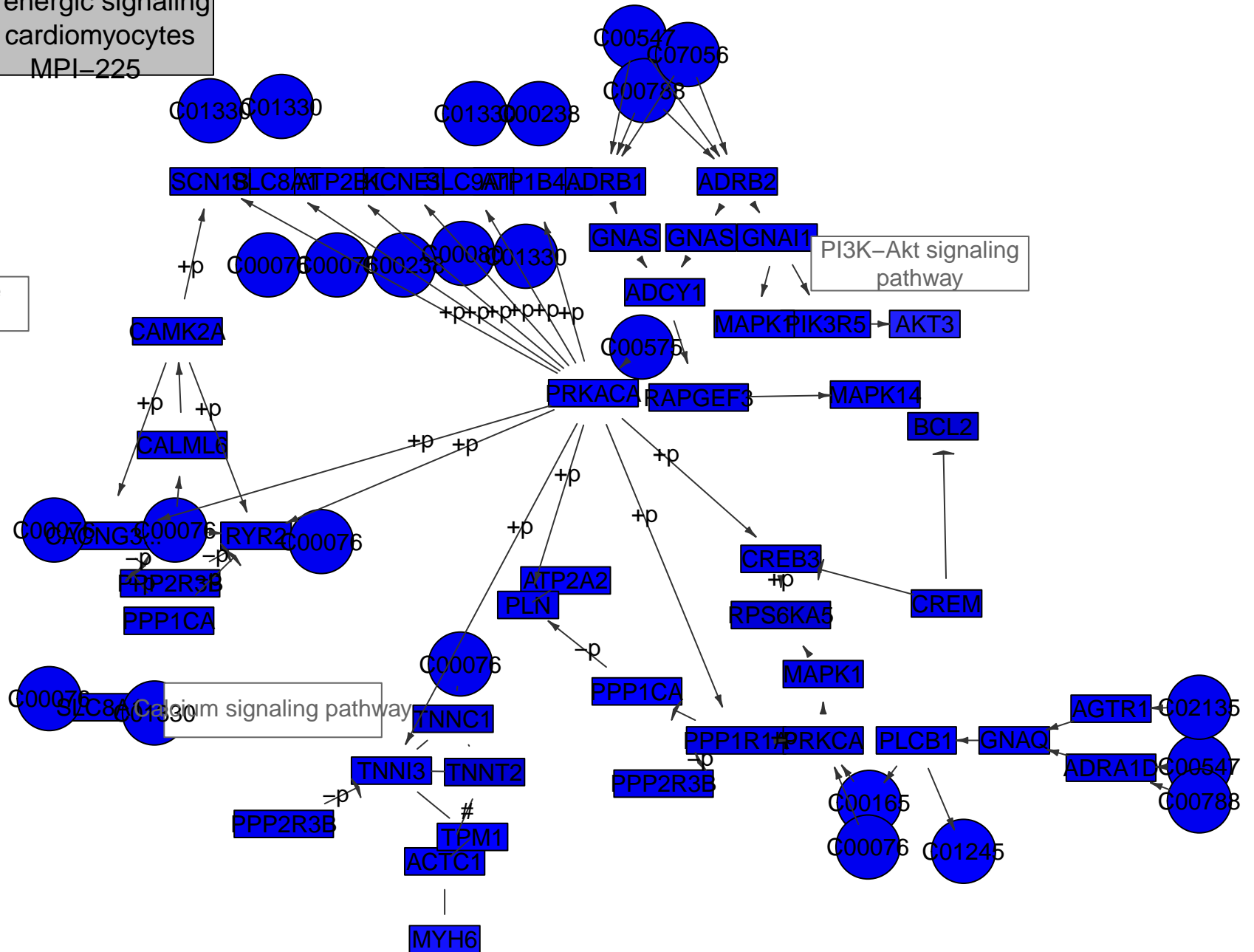
Adrenergic signaling  
in cardiomyocytes  
MPI-222

Cardiac muscle  
contraction



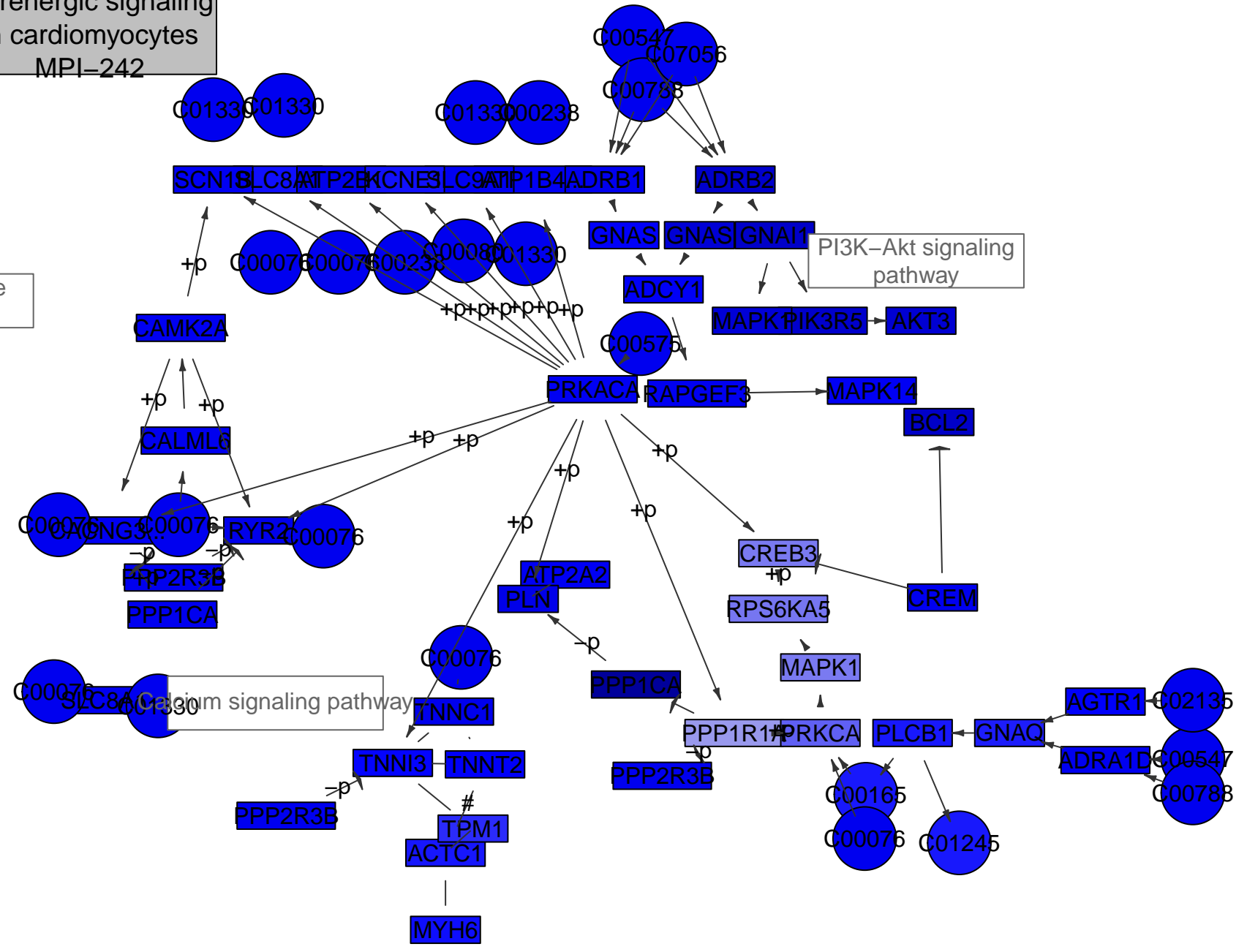
Adrenergic signaling  
in cardiomyocytes  
MPI-225

Cardiac muscle  
contraction



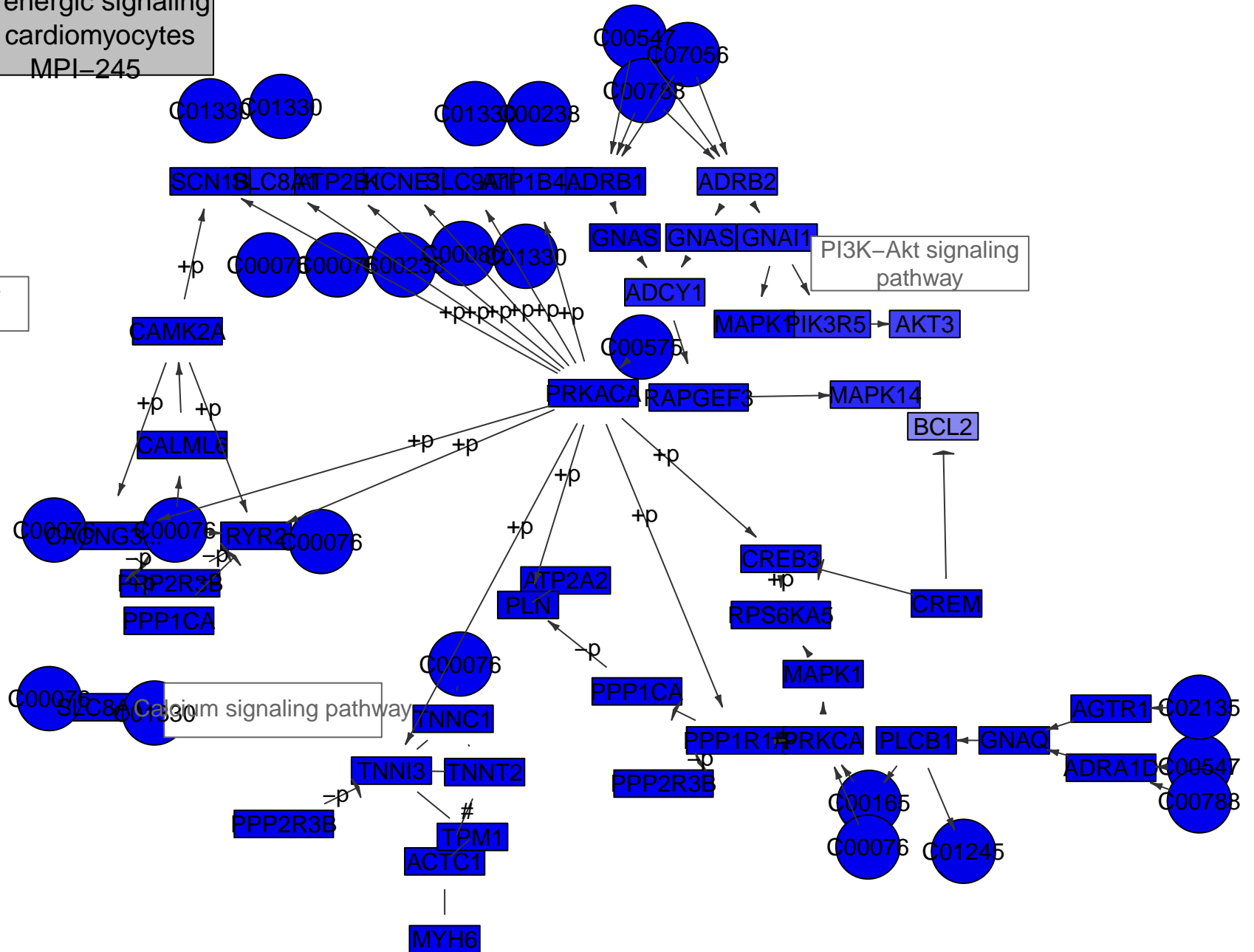
Adrenergic signaling  
in cardiomyocytes  
MPI-242

Cardiac muscle  
contraction



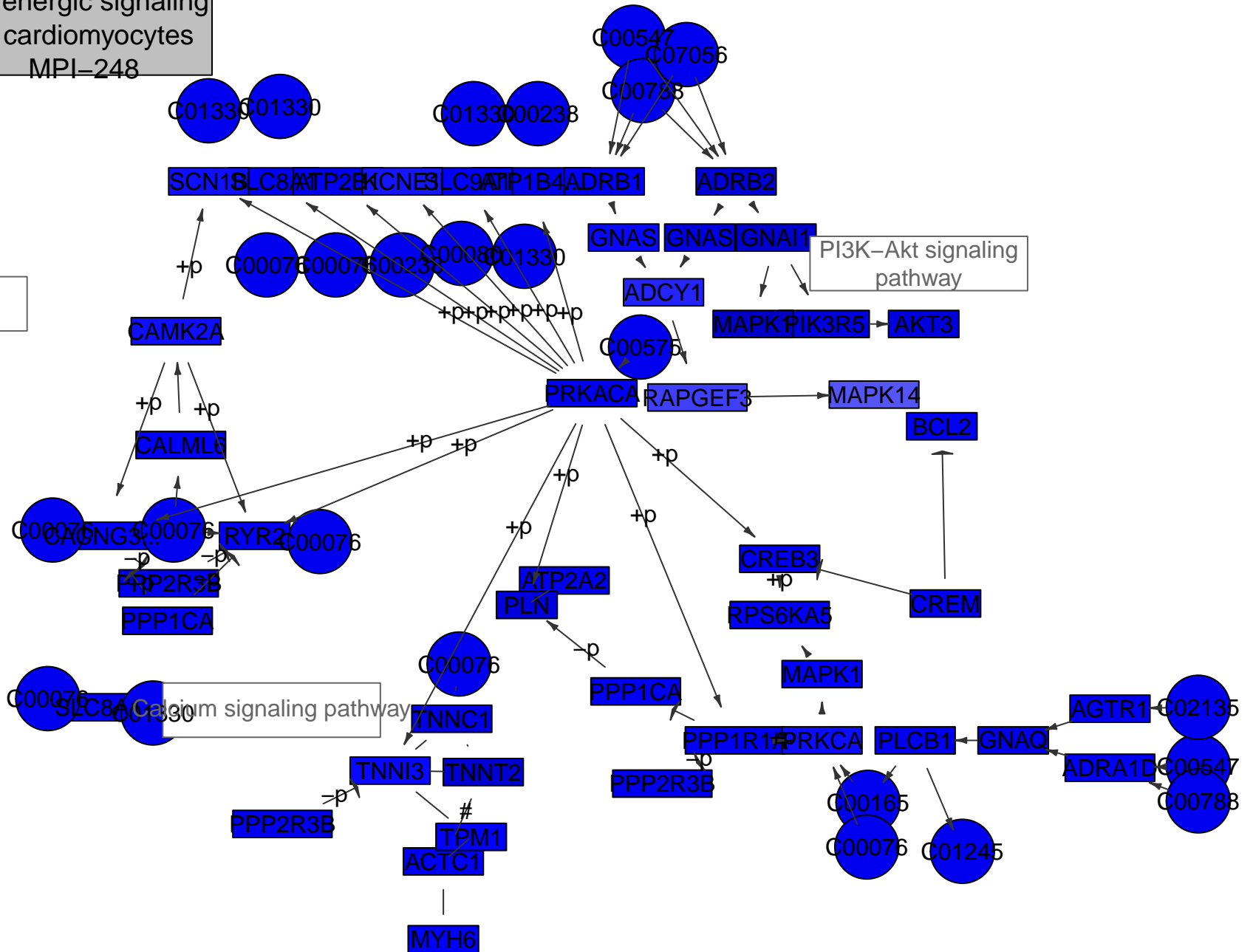
Adrenergic signaling  
in cardiomyocytes  
MPI-245

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-248

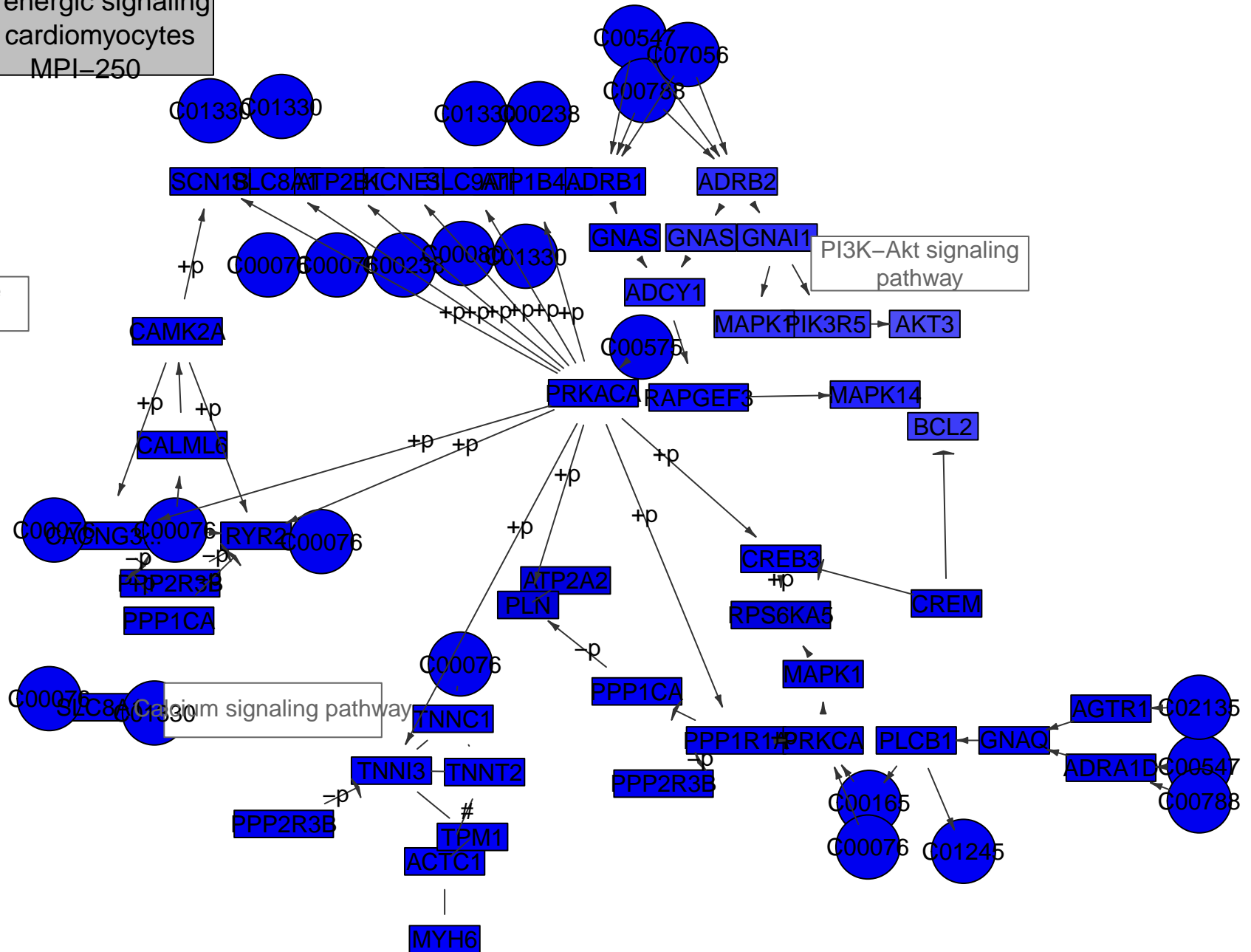
Cardiac muscle  
contraction





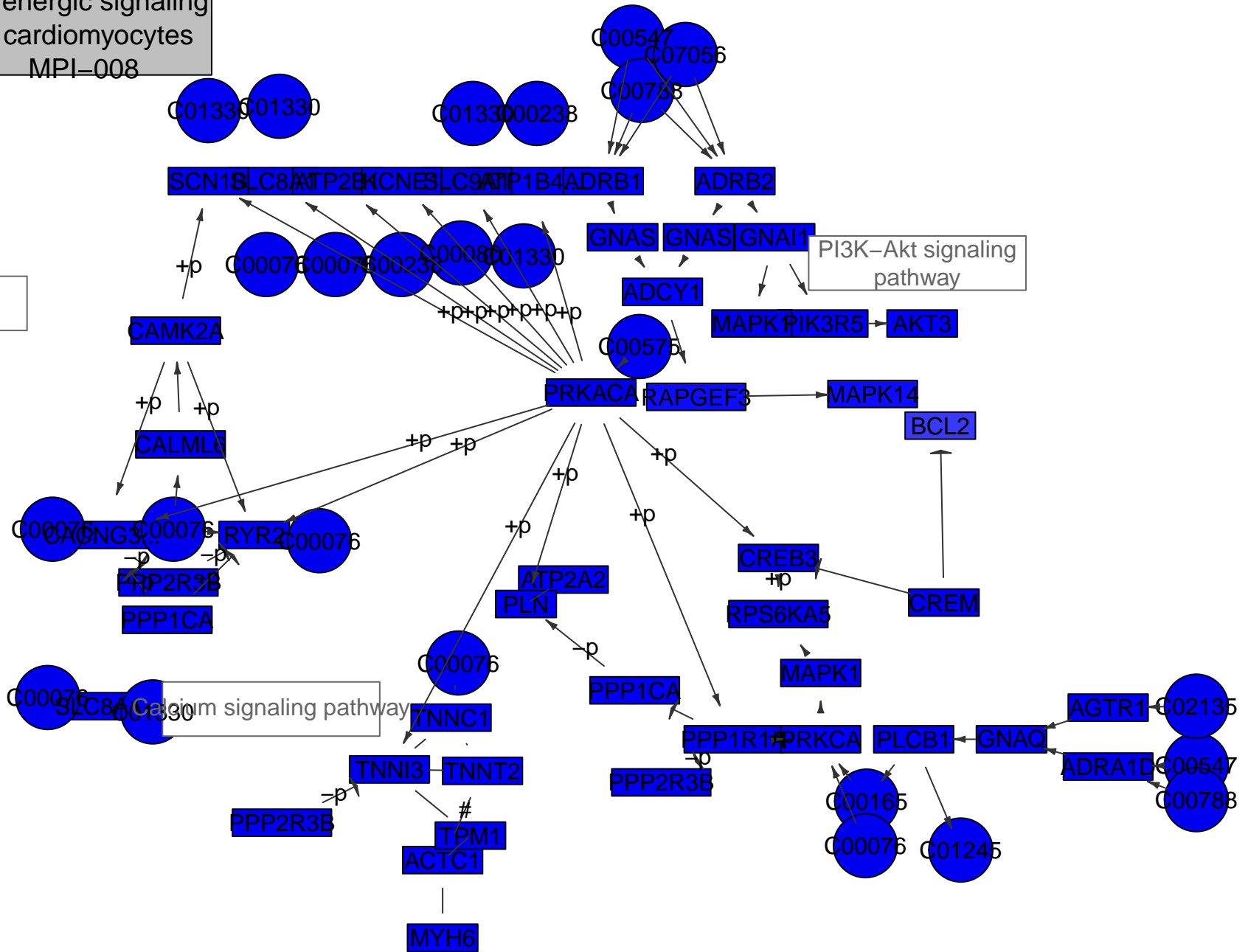
Adrenergic signaling  
in cardiomyocytes  
MPI-250

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-008

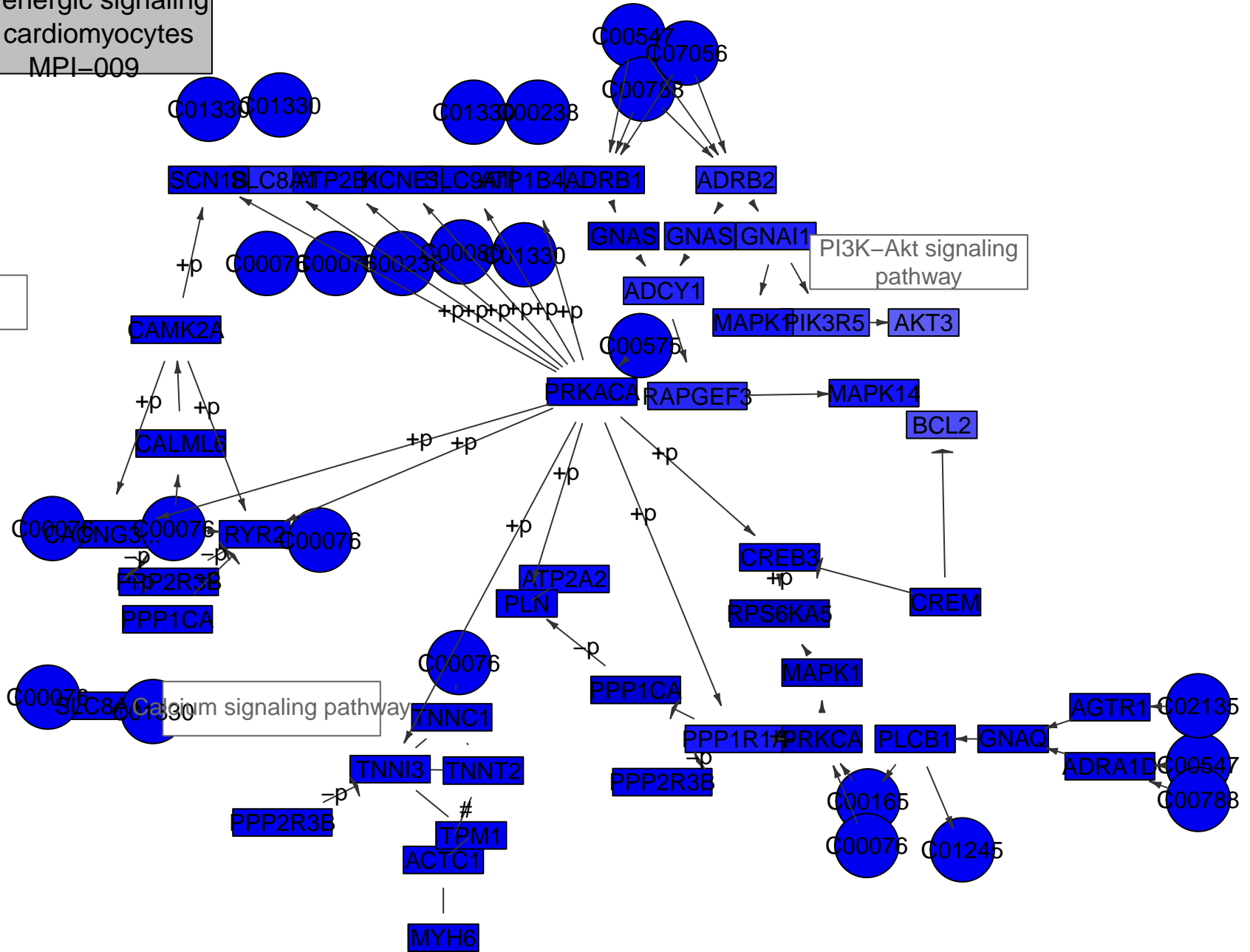
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-009

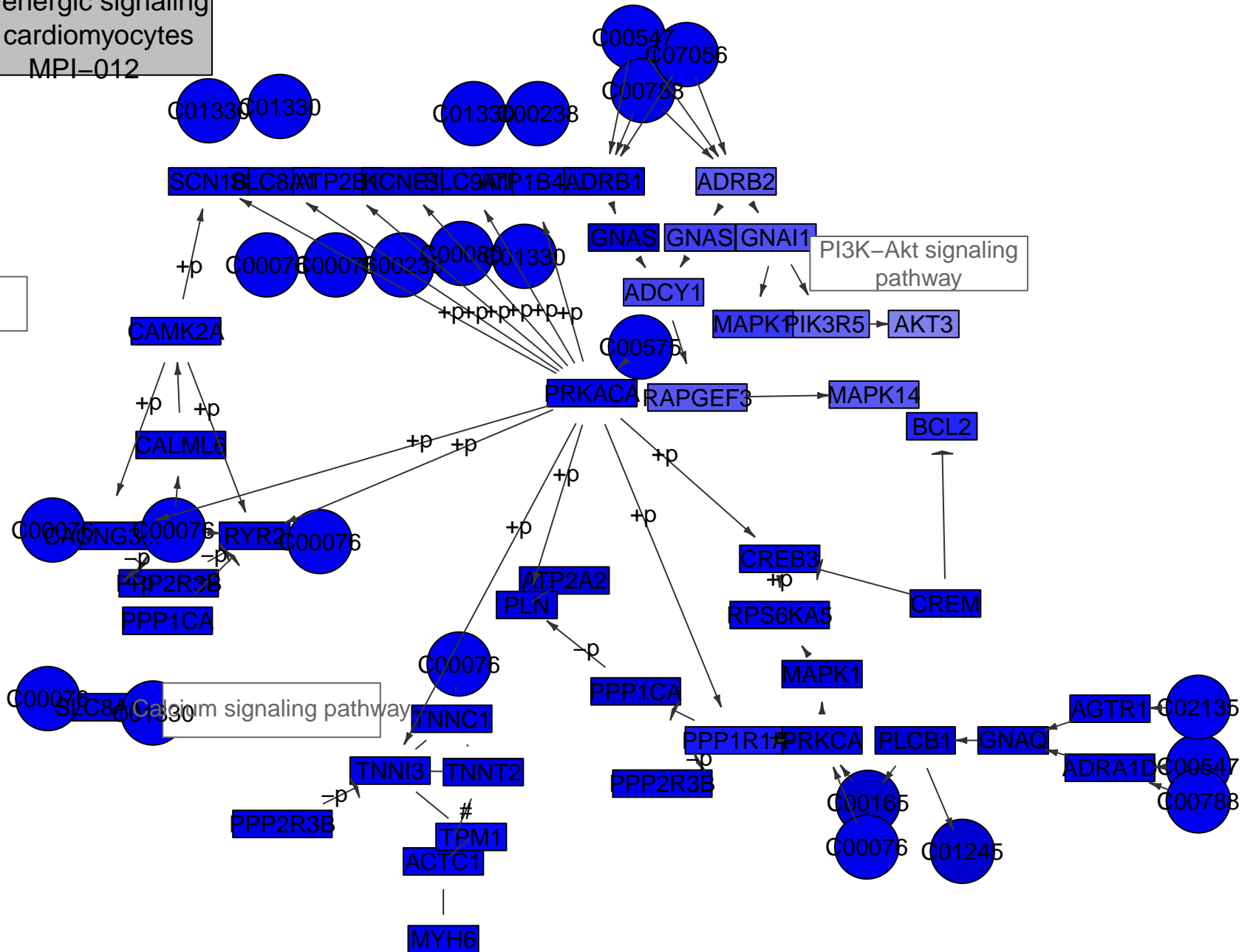
Cardiac muscle  
contraction





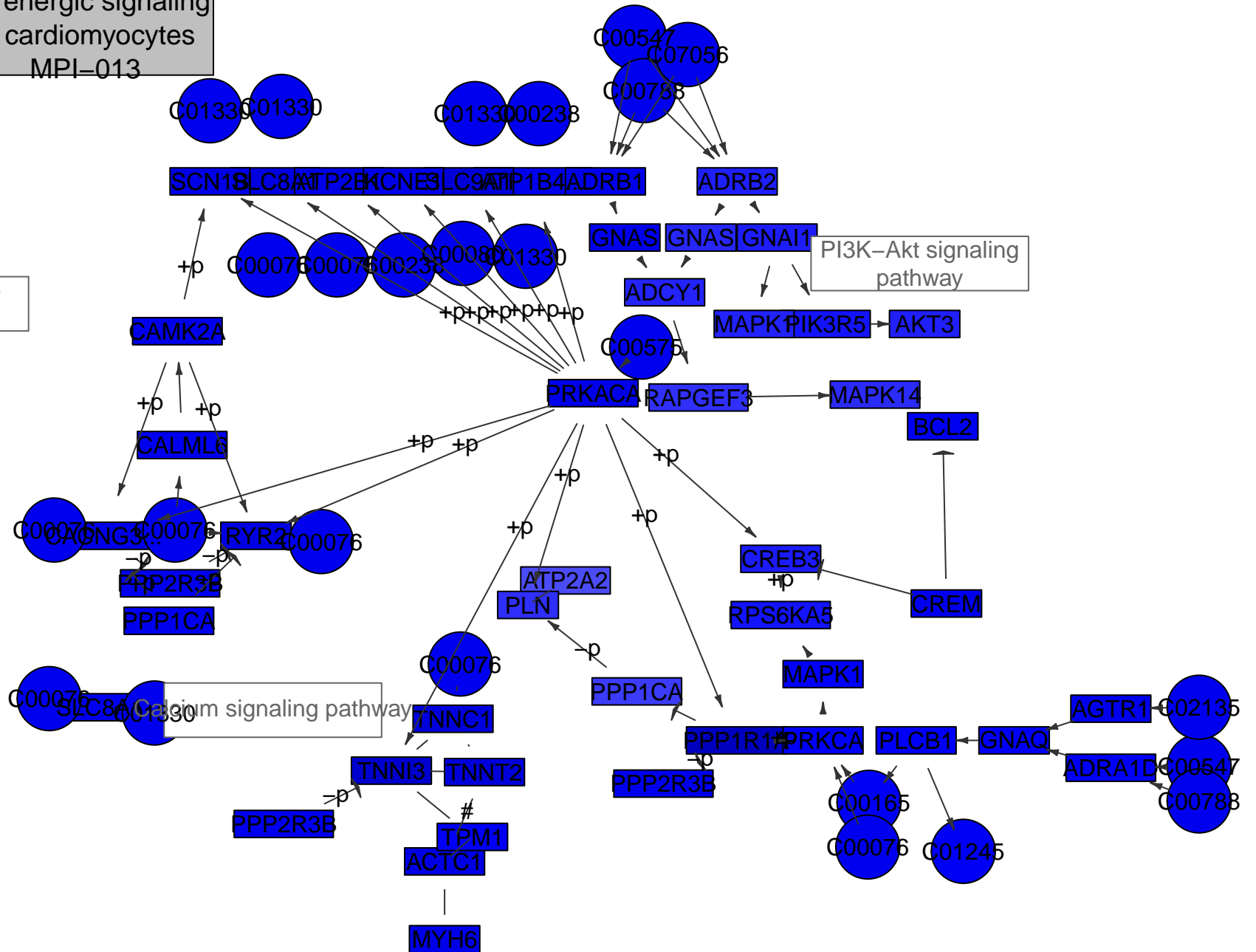
Adrenergic signaling  
in cardiomyocytes  
MPI-012

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-013

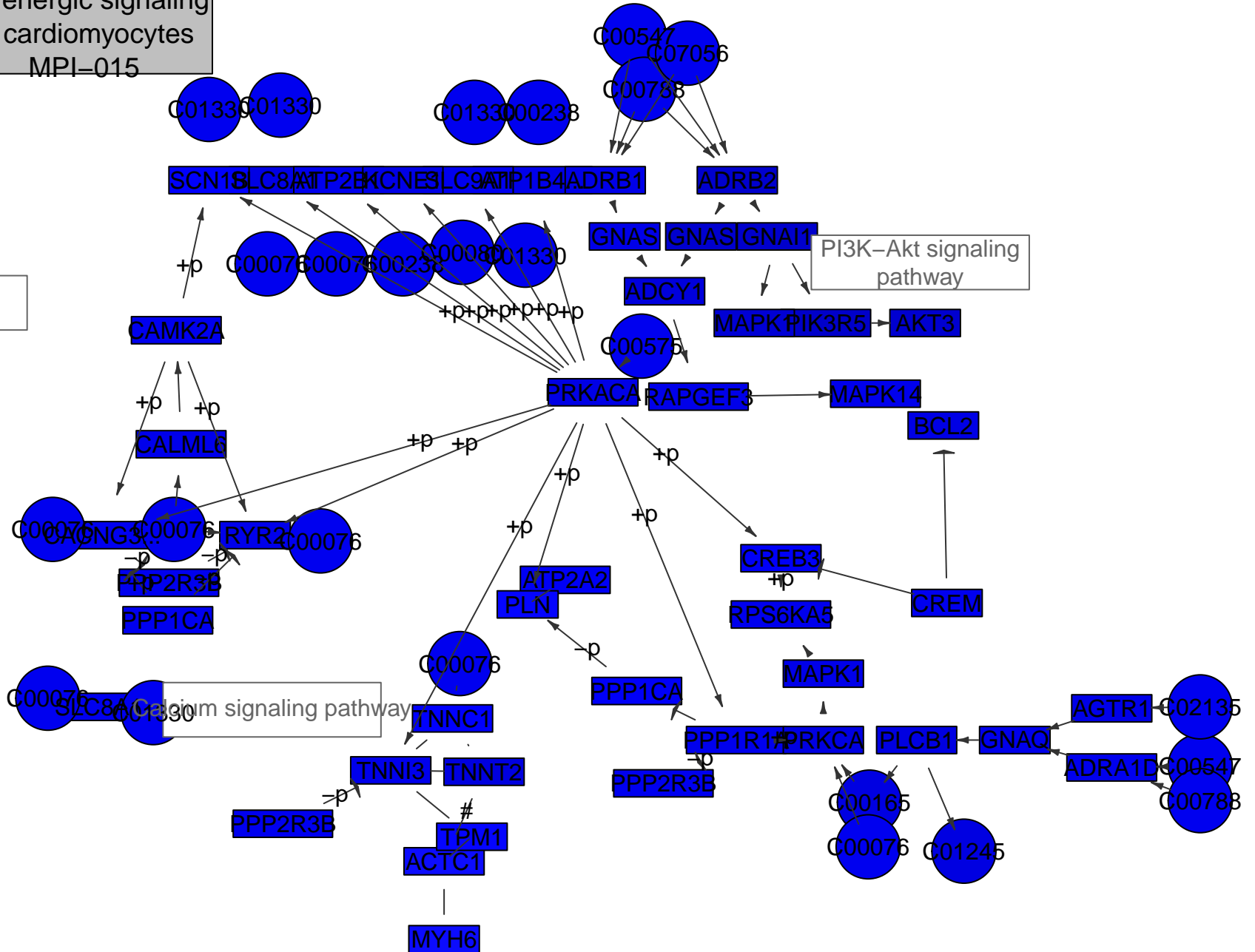
Cardiac muscle  
contraction





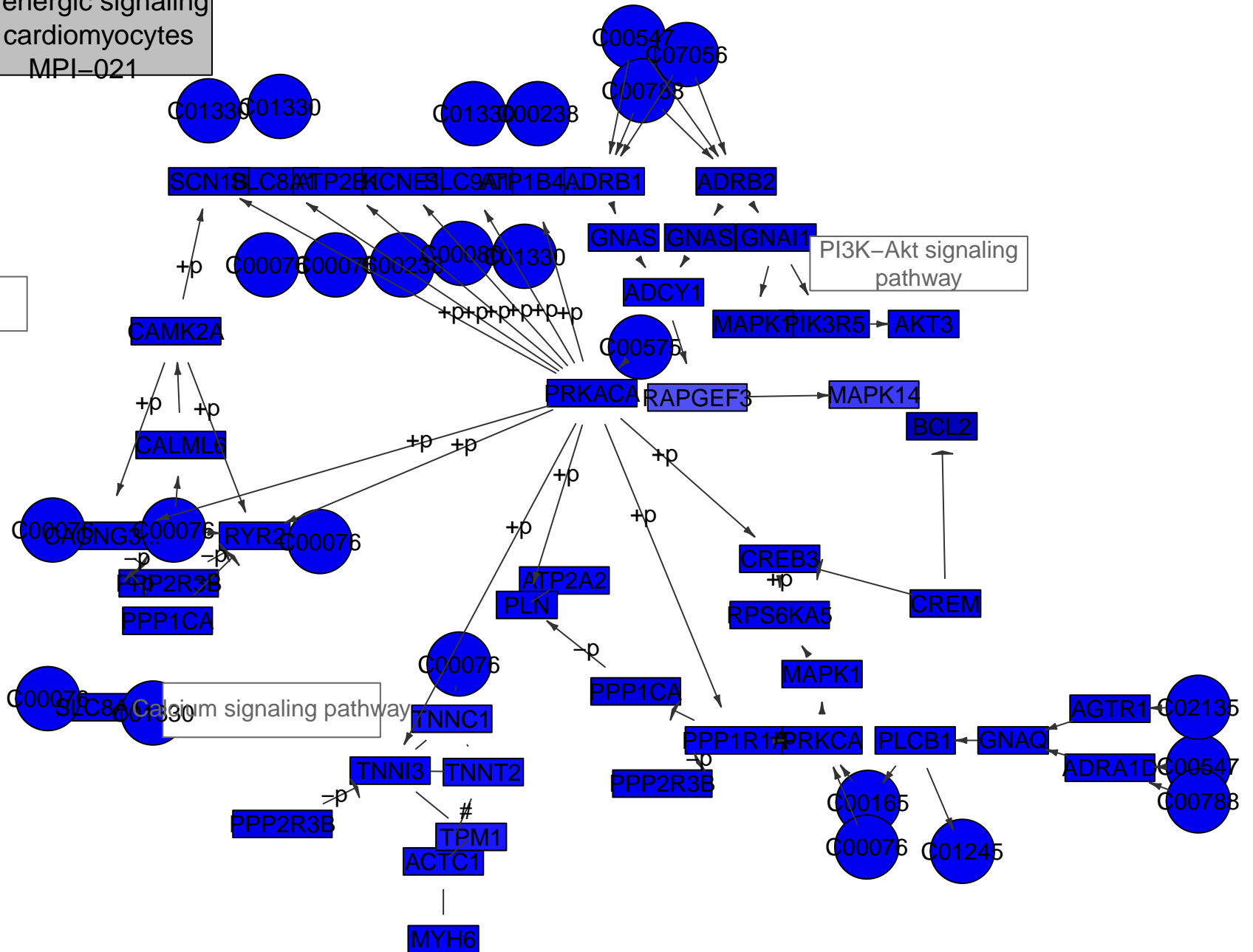
Adrenergic signaling  
in cardiomyocytes  
MPI-015

Cardiac muscle  
contraction



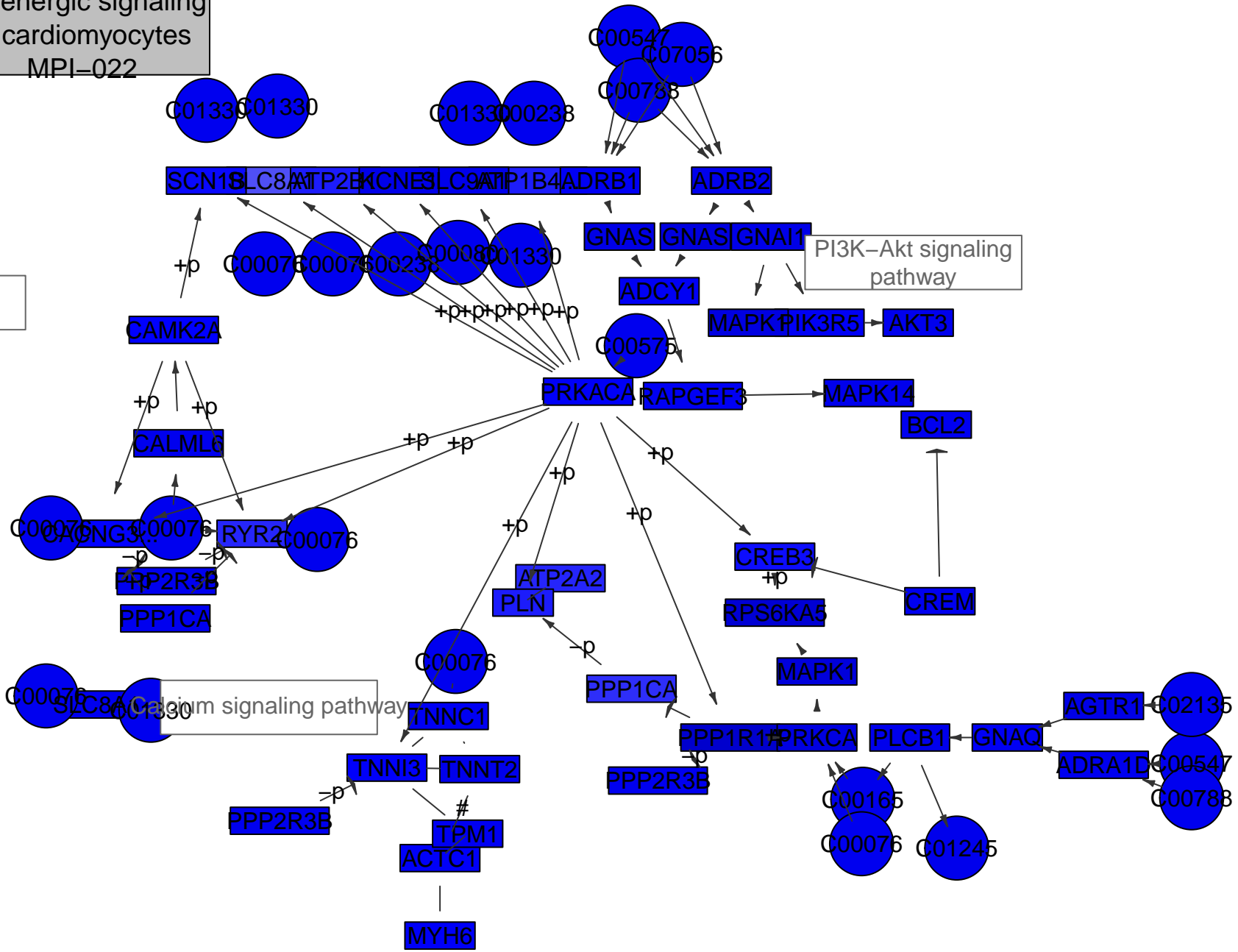
Adrenergic signaling  
in cardiomyocytes  
MPI-021

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-022

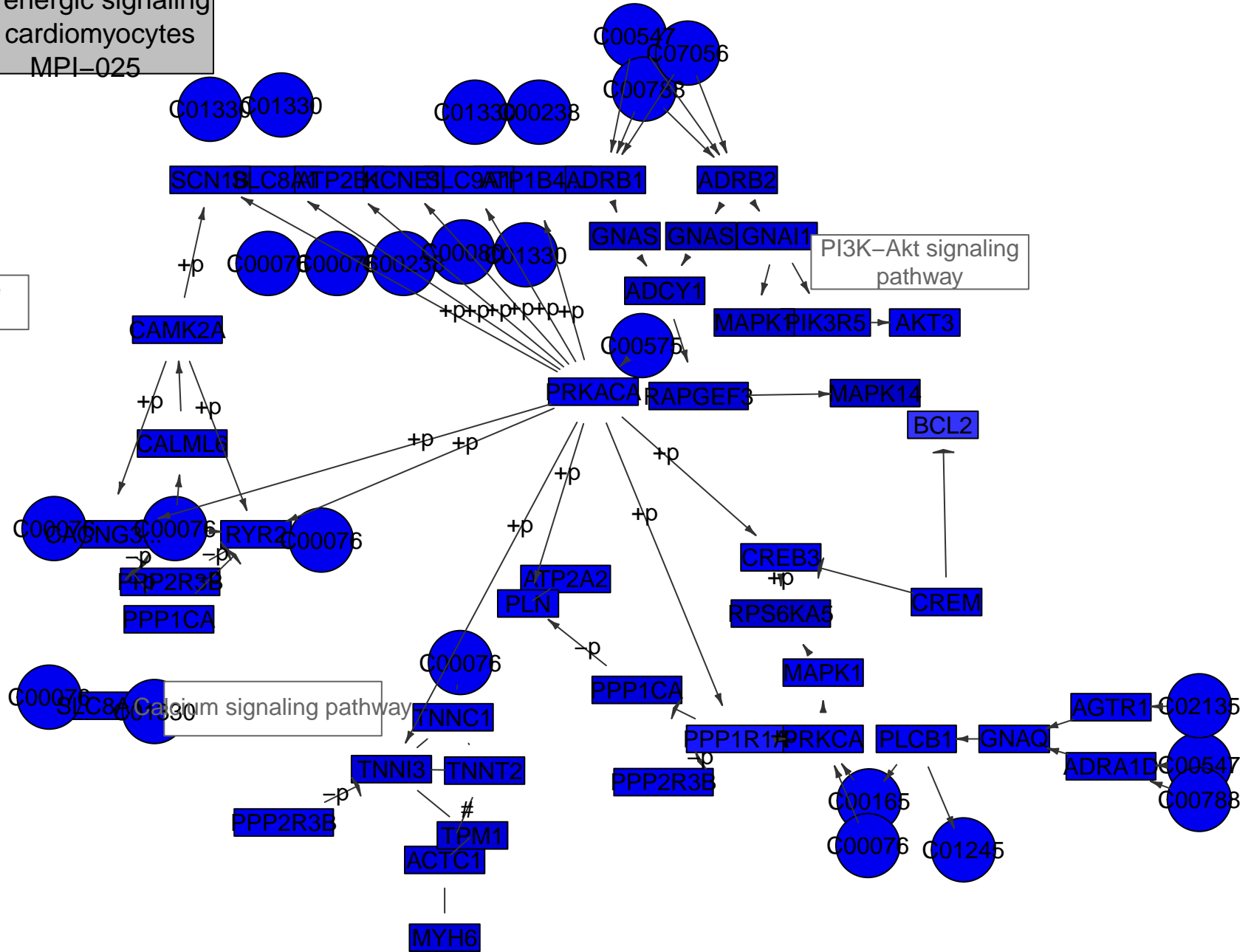
Cardiac muscle  
contraction





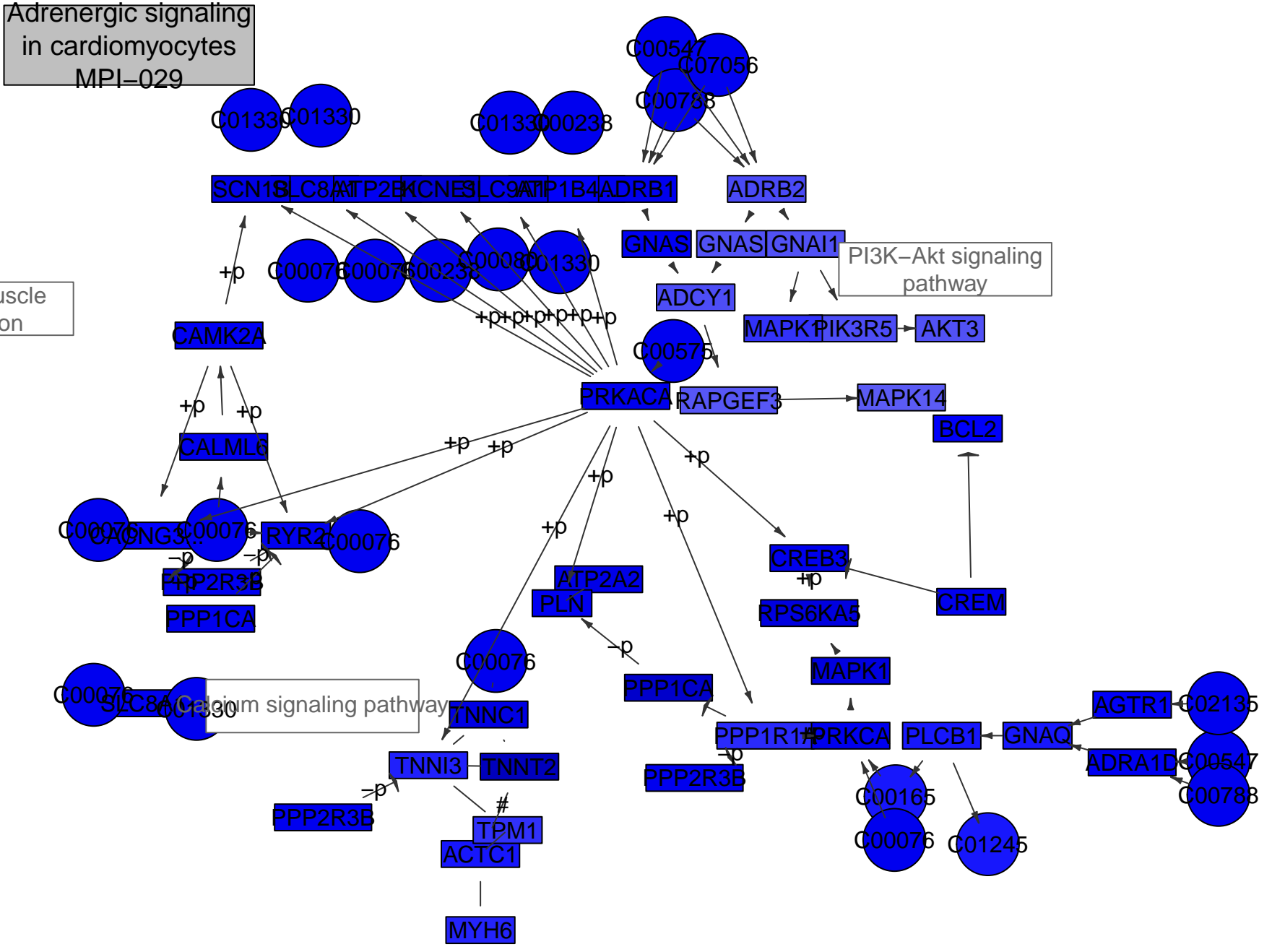
Adrenergic signaling  
in cardiomyocytes  
MPI-025

Cardiac muscle  
contraction



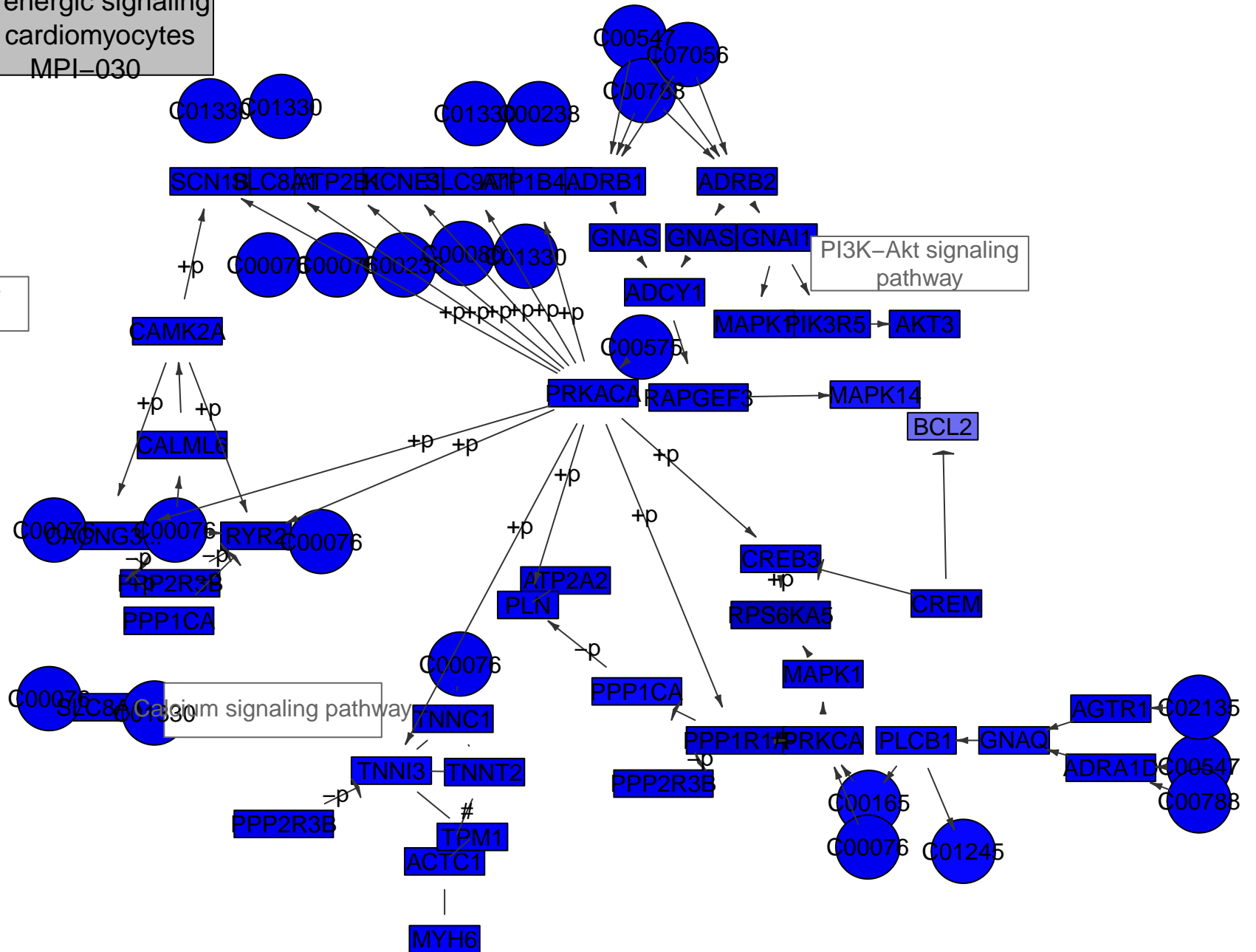
Adrenergic signaling  
in cardiomyocytes  
MPI-029

Cardiac muscle  
contraction



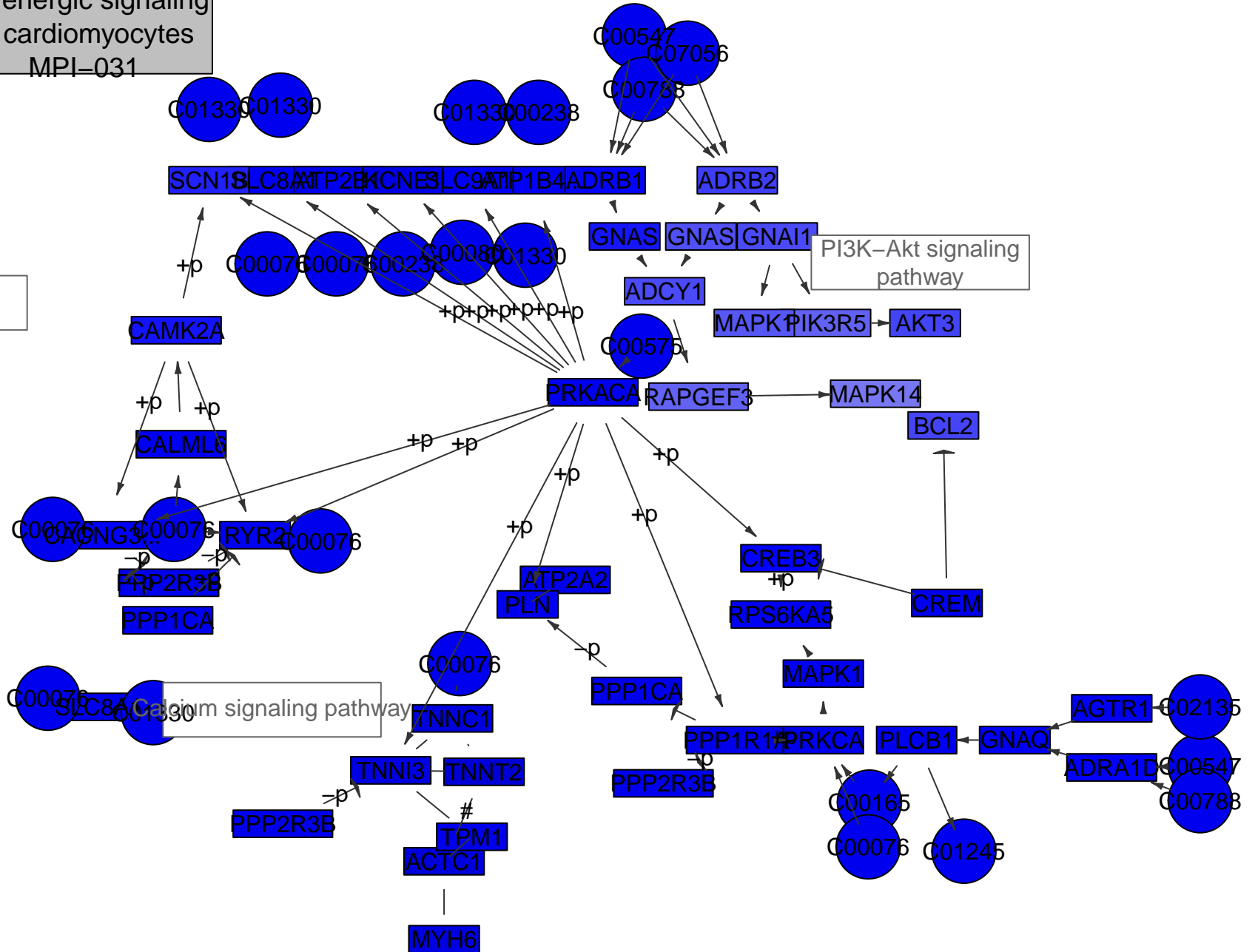
Adrenergic signaling  
in cardiomyocytes  
MPI-030

Cardiac muscle  
contraction



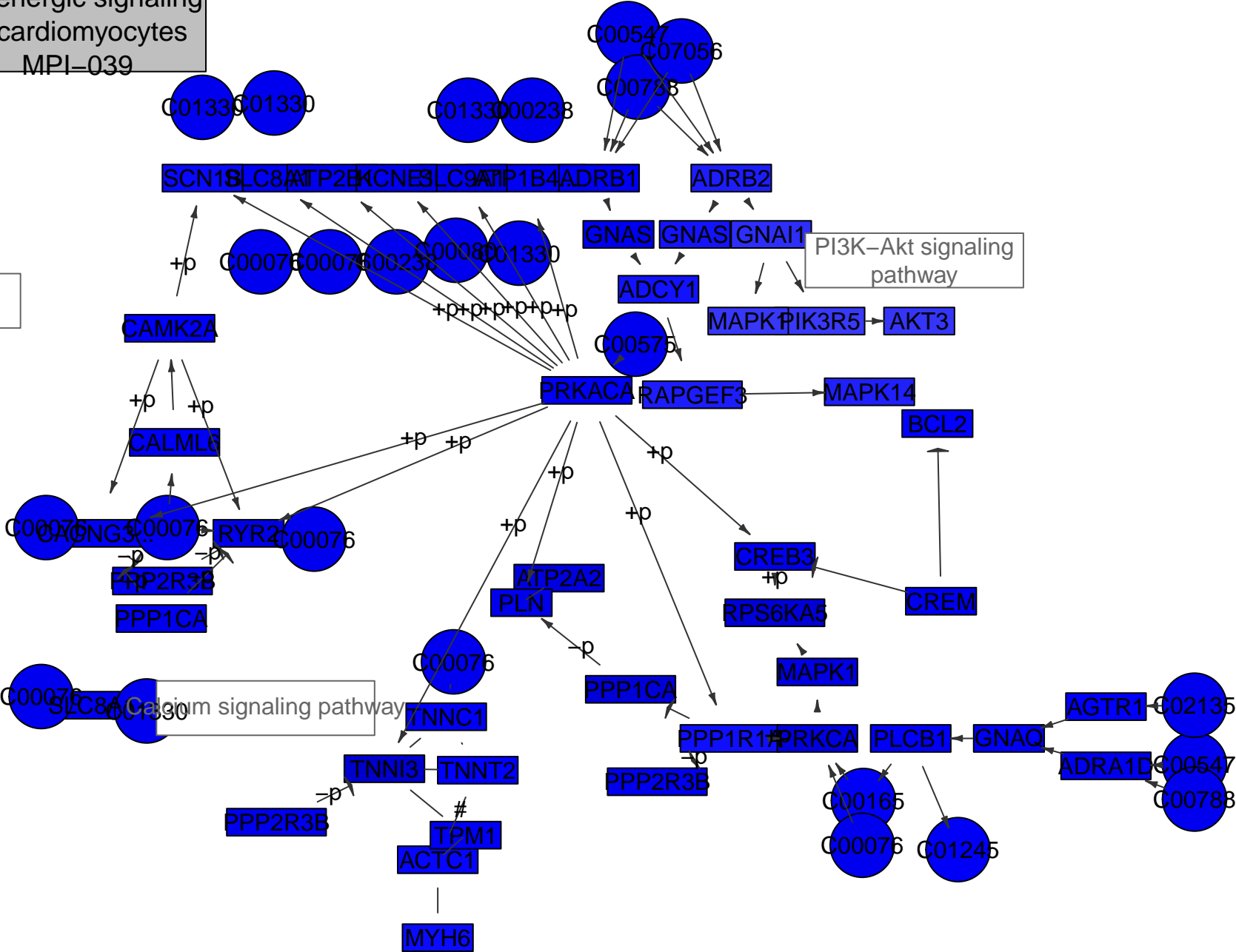
Adrenergic signaling  
in cardiomyocytes  
MPI-031

Cardiac muscle  
contraction



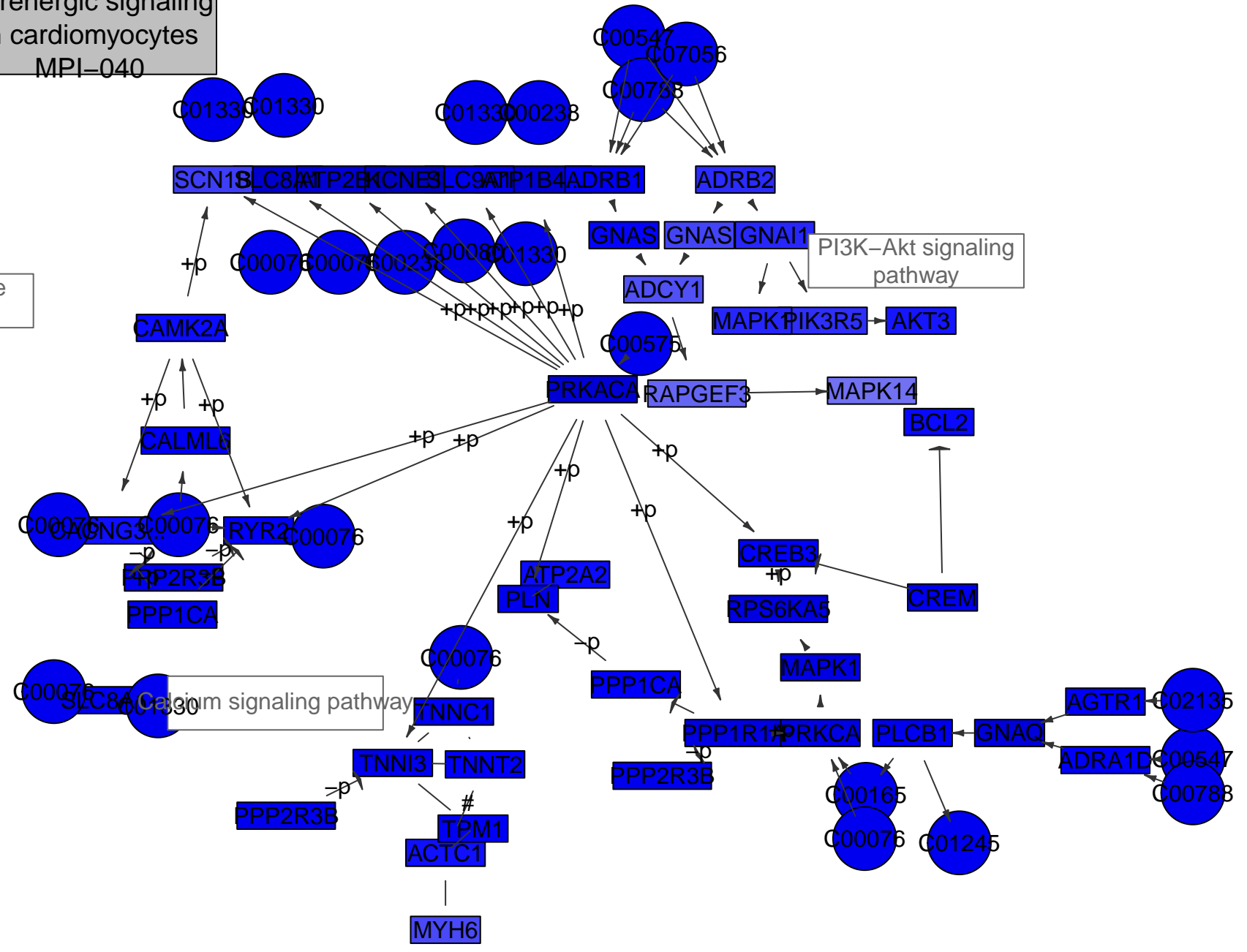
Adrenergic signaling  
in cardiomyocytes  
MPI-039

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-040

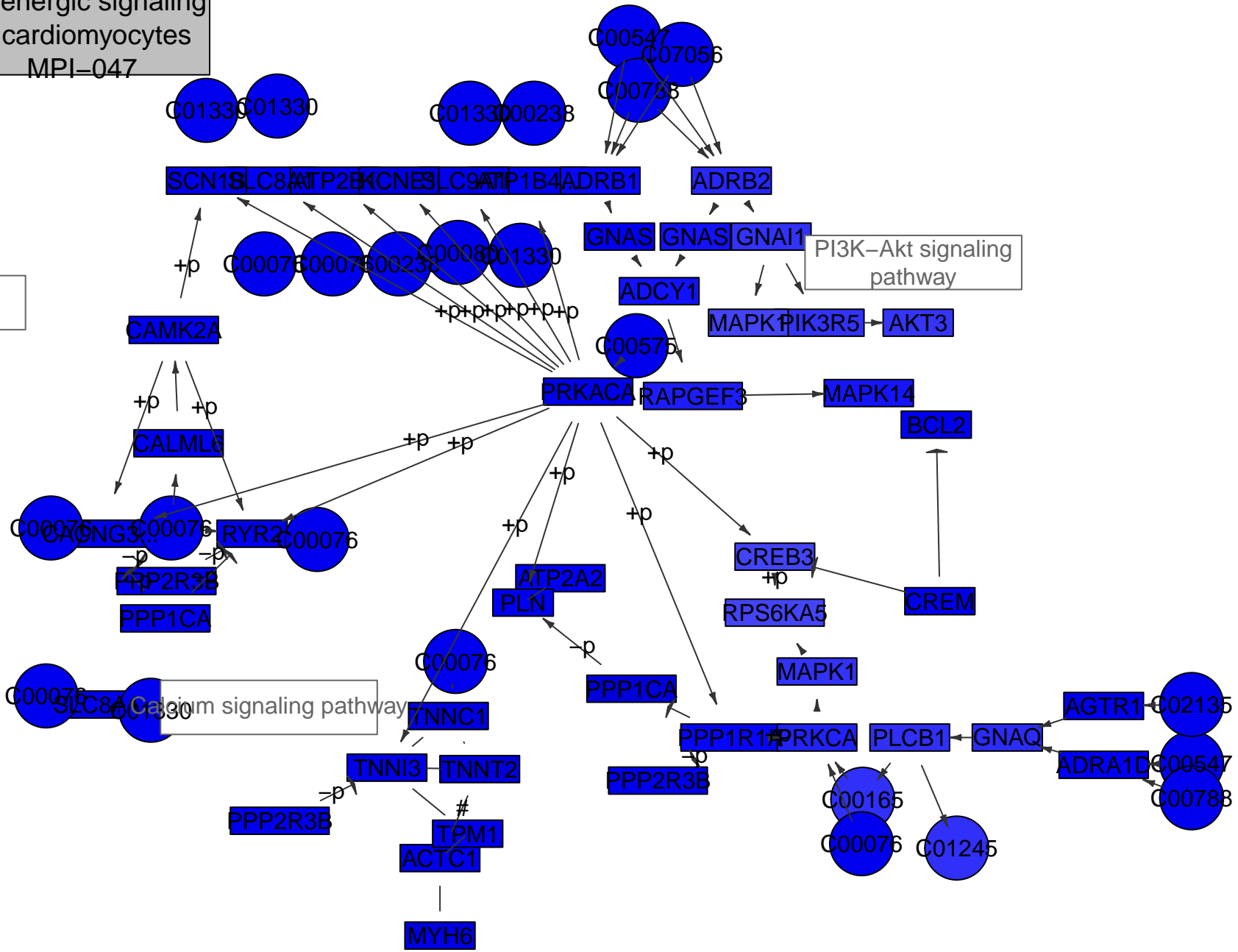
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-047

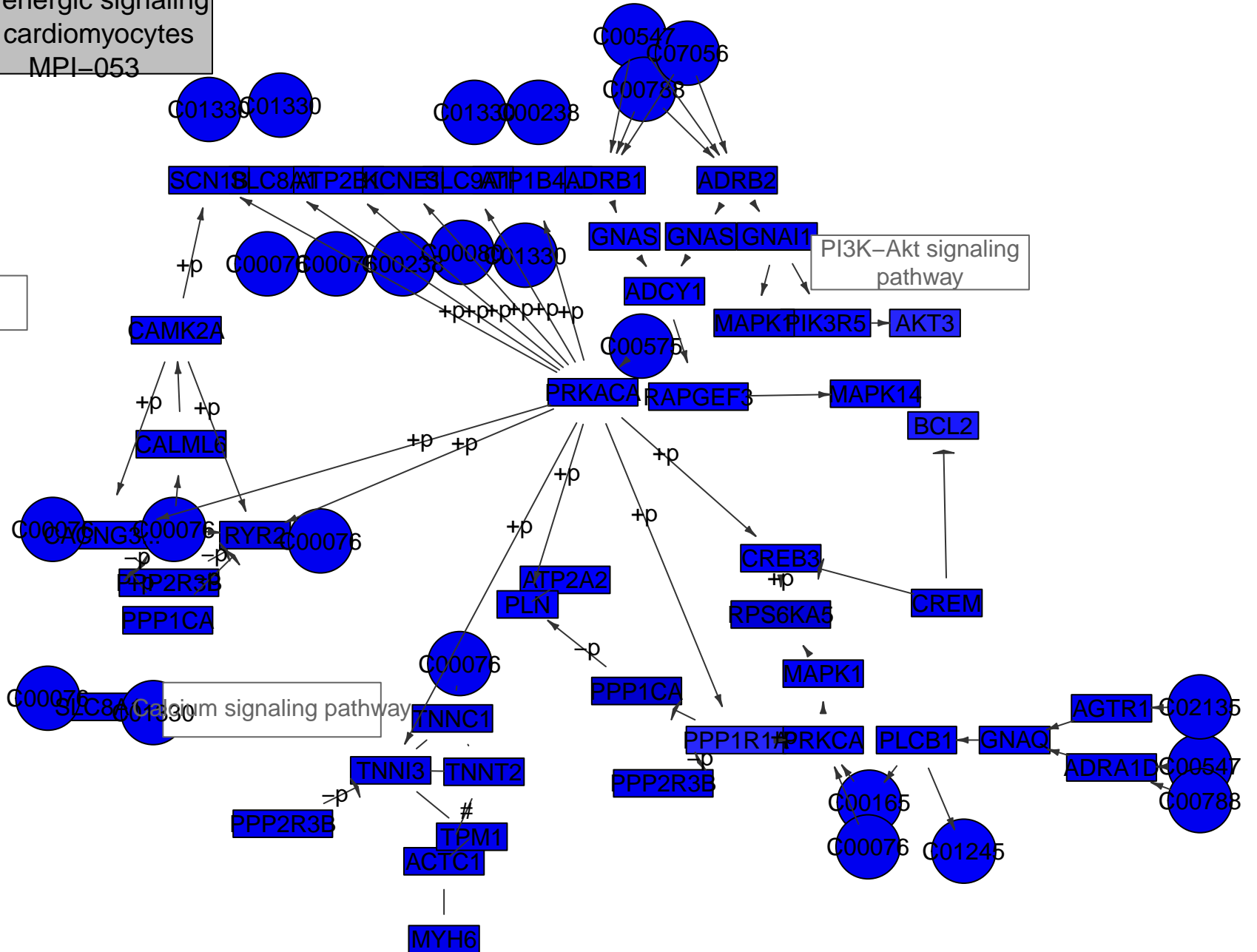
Cardiac muscle  
contraction





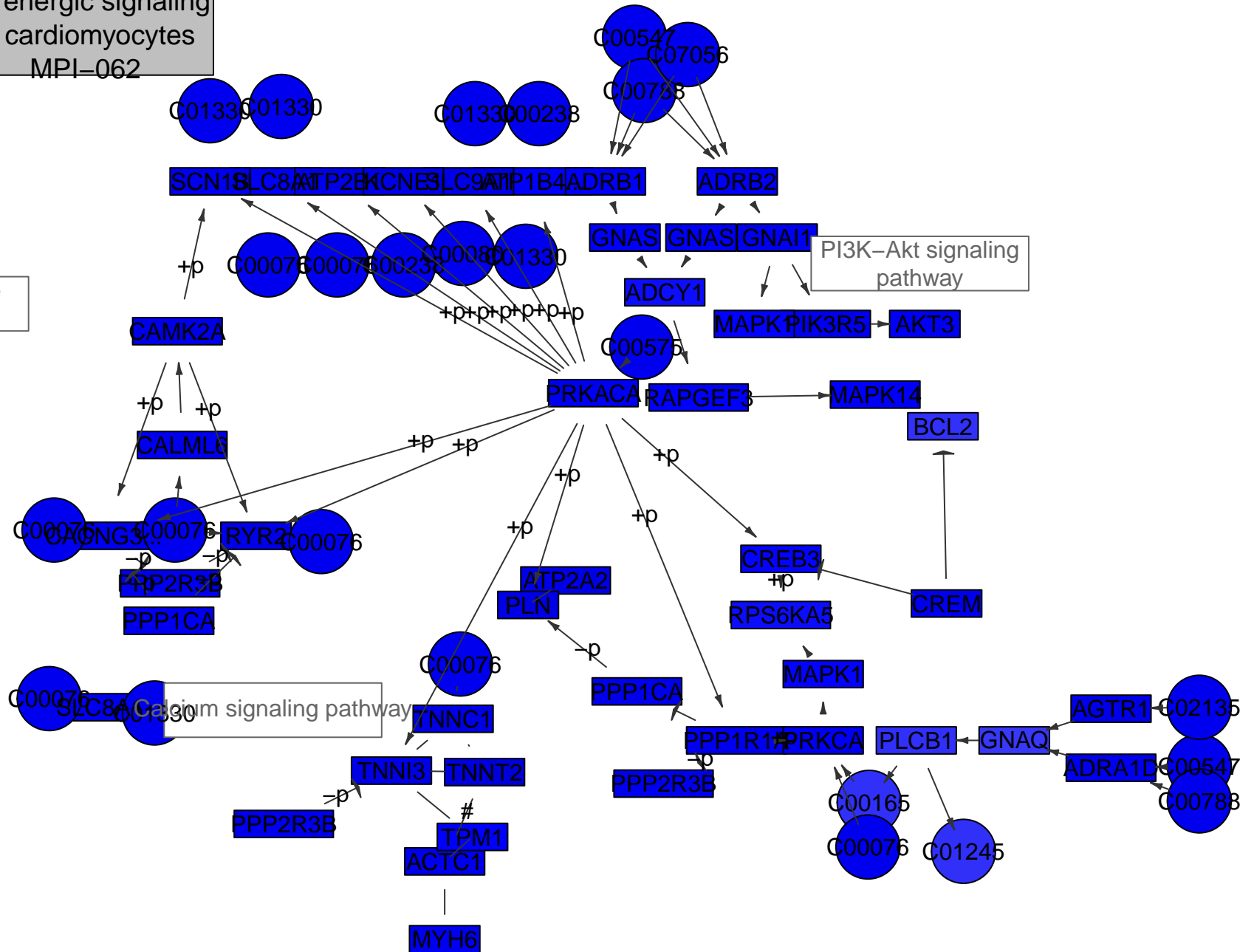
Adrenergic signaling  
in cardiomyocytes  
MPI-053

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-062

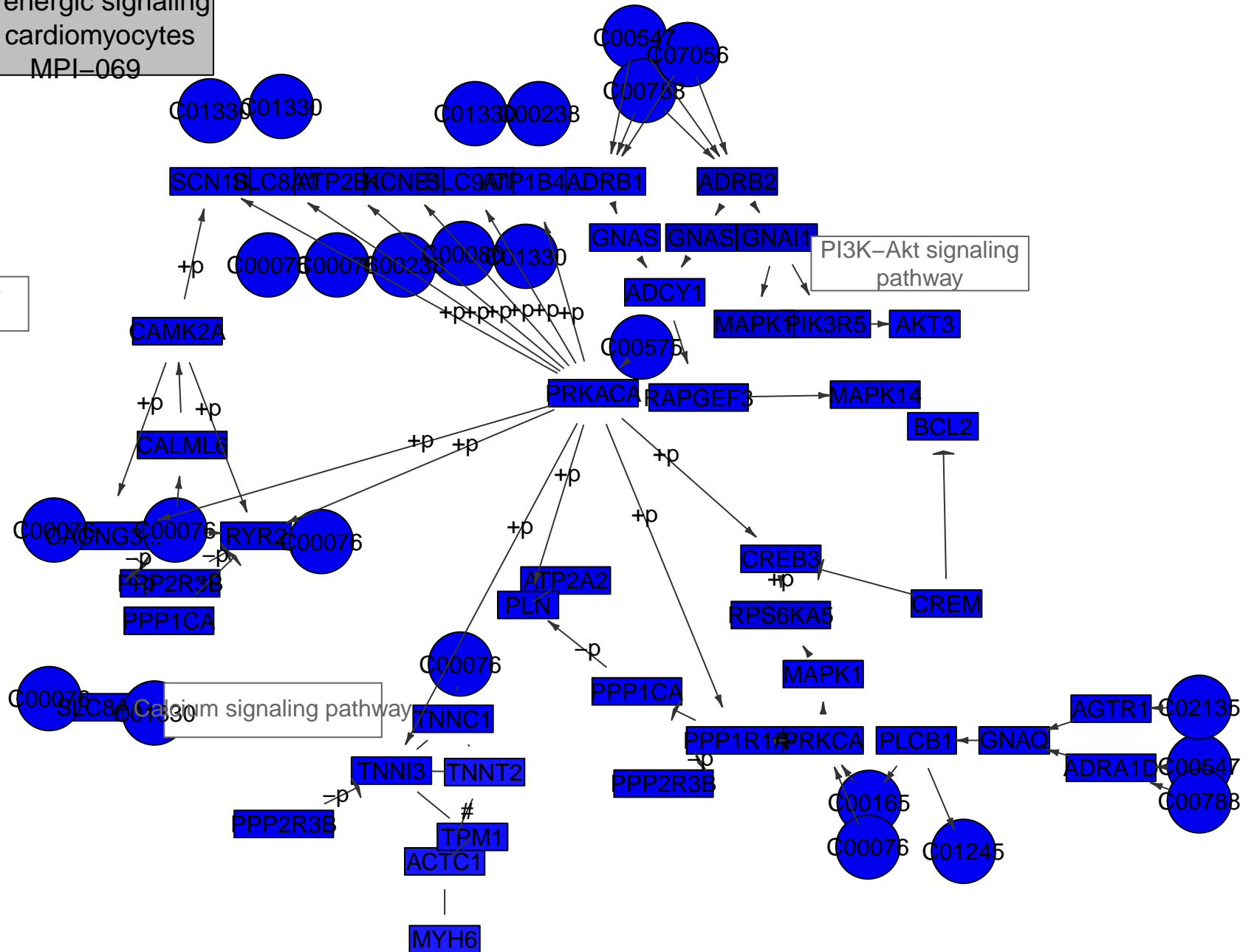
Cardiac muscle  
contraction





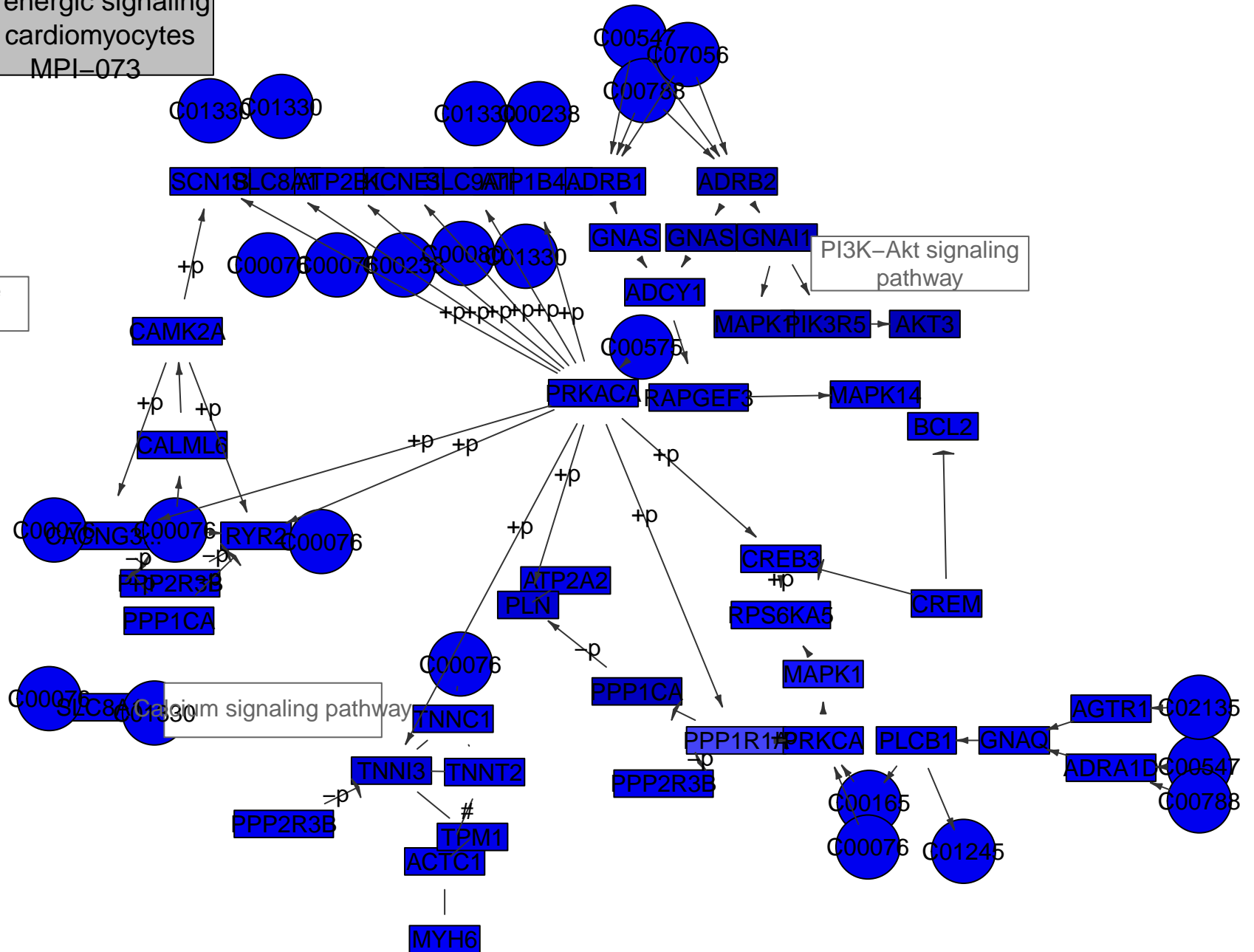
Adrenergic signaling  
in cardiomyocytes  
MPI-069

Cardiac muscle  
contraction



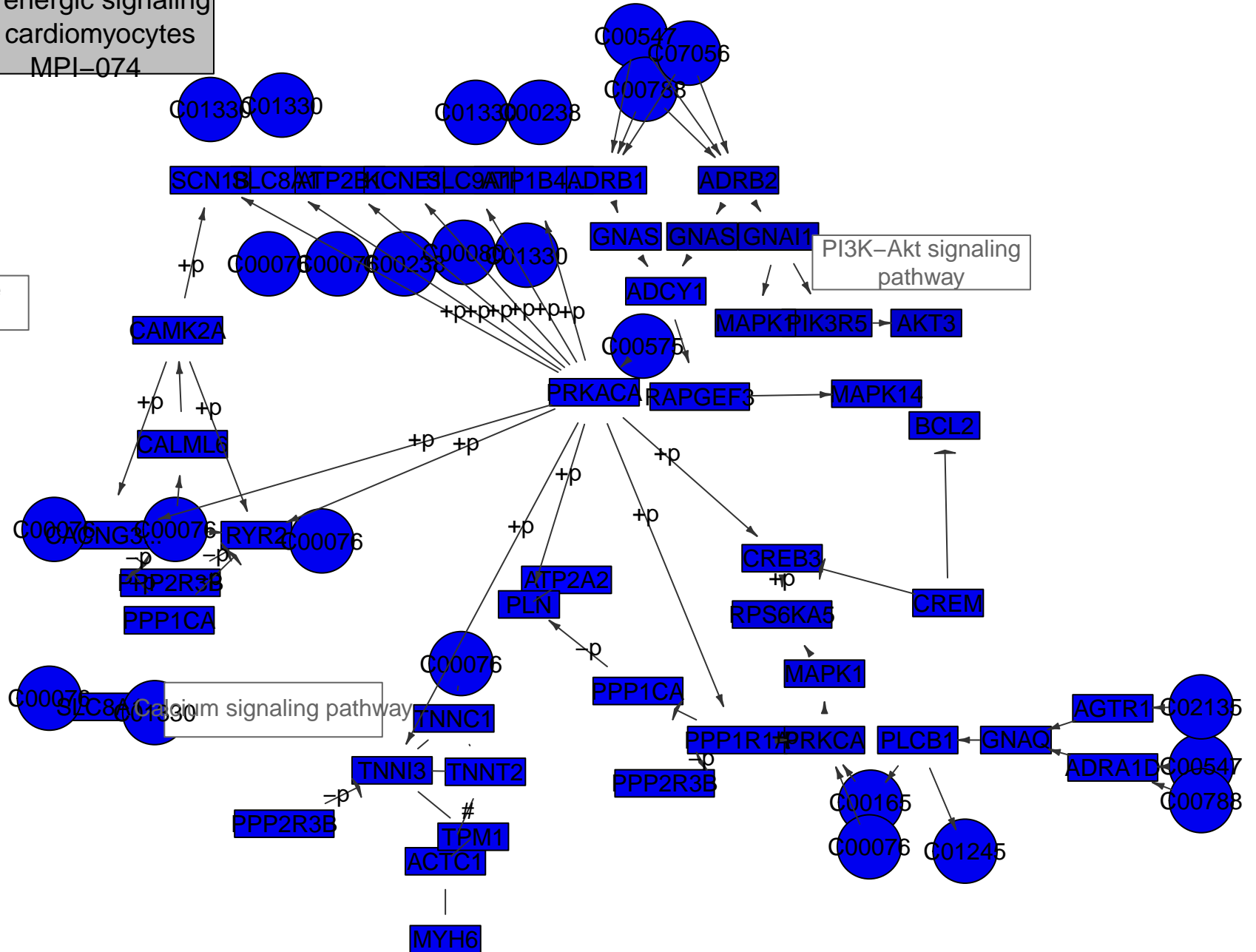
Adrenergic signaling  
in cardiomyocytes  
MPI-073

Cardiac muscle  
contraction



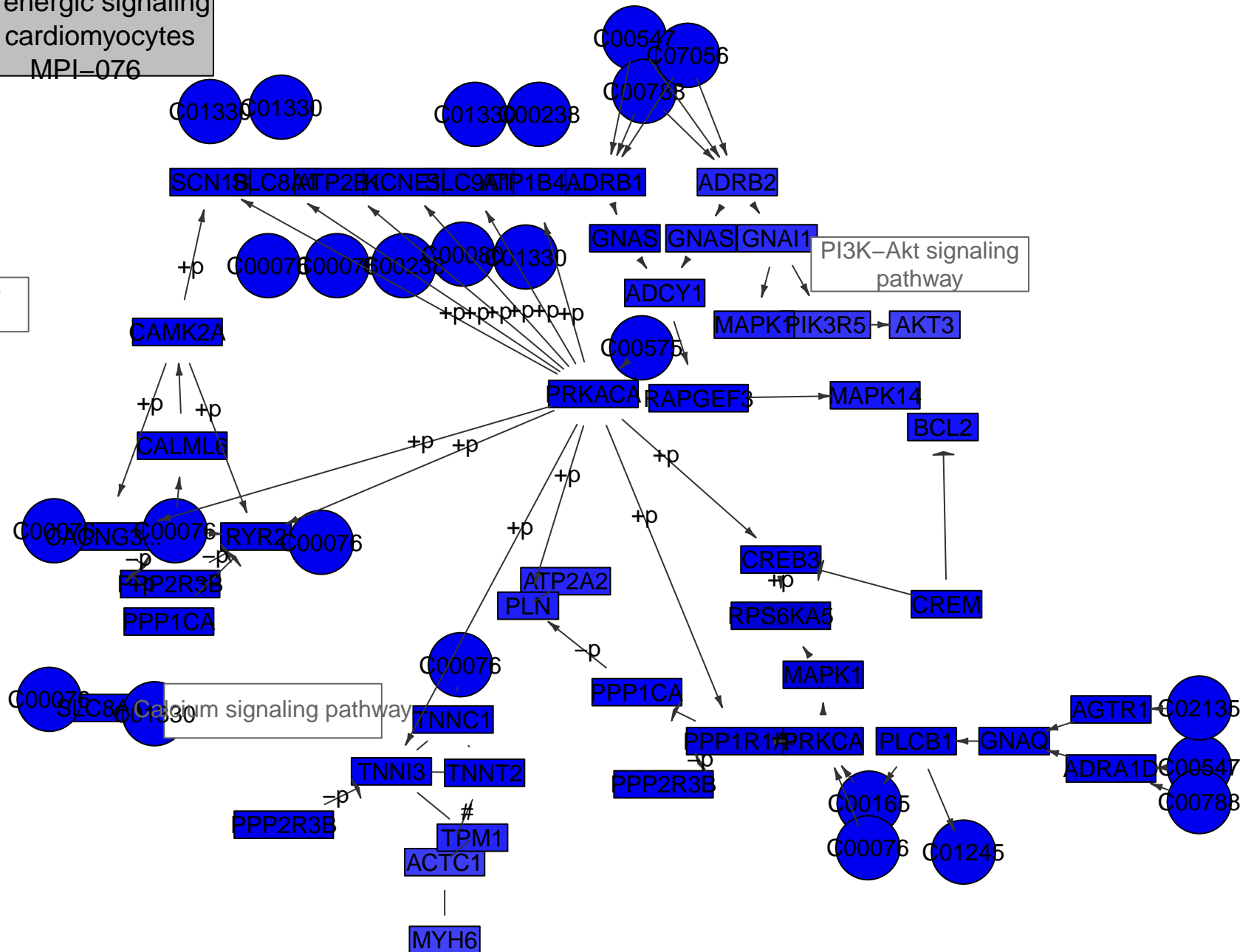
Adrenergic signaling  
in cardiomyocytes  
MPI-074

Cardiac muscle  
contraction



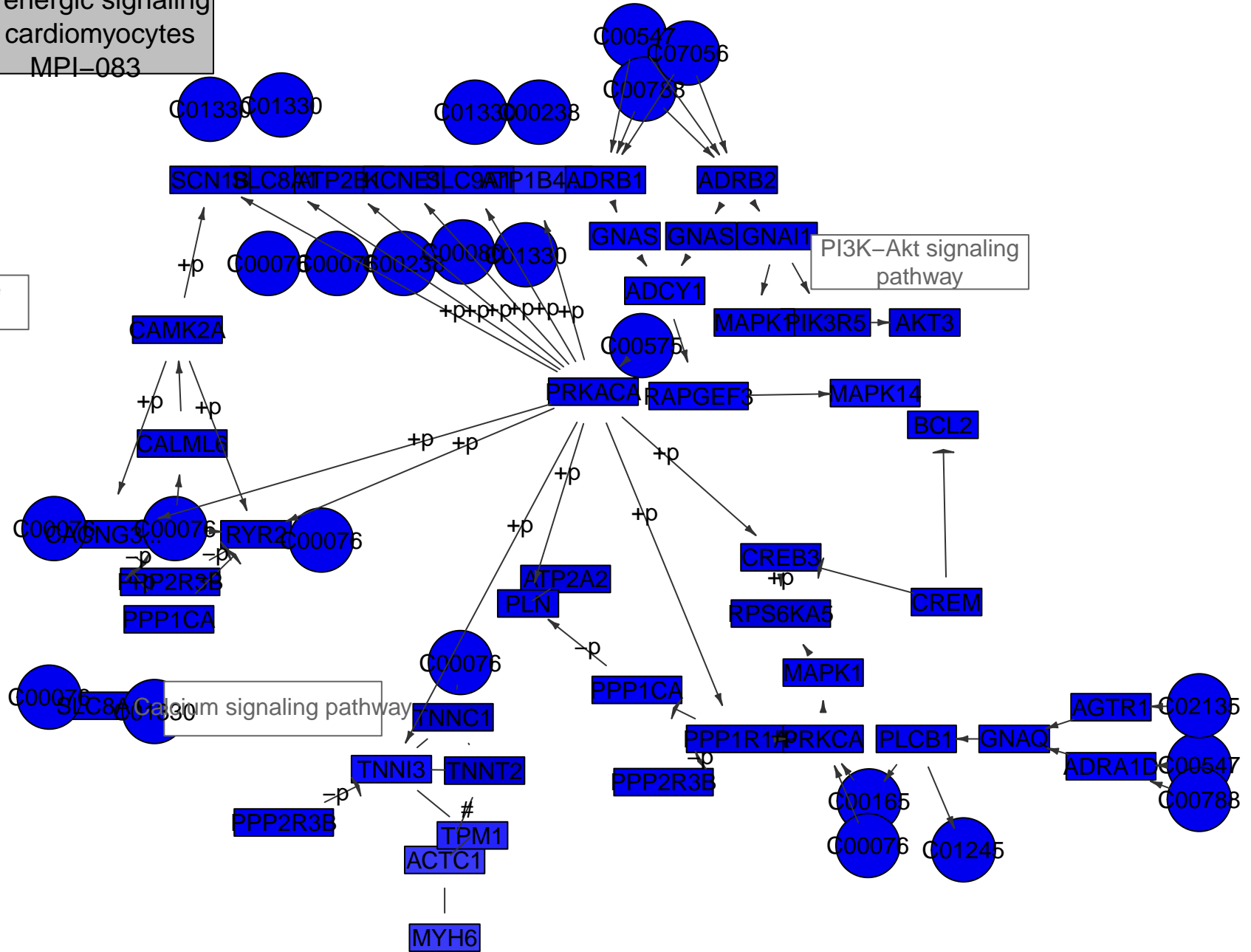
Adrenergic signaling  
in cardiomyocytes  
MPI-076

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-083

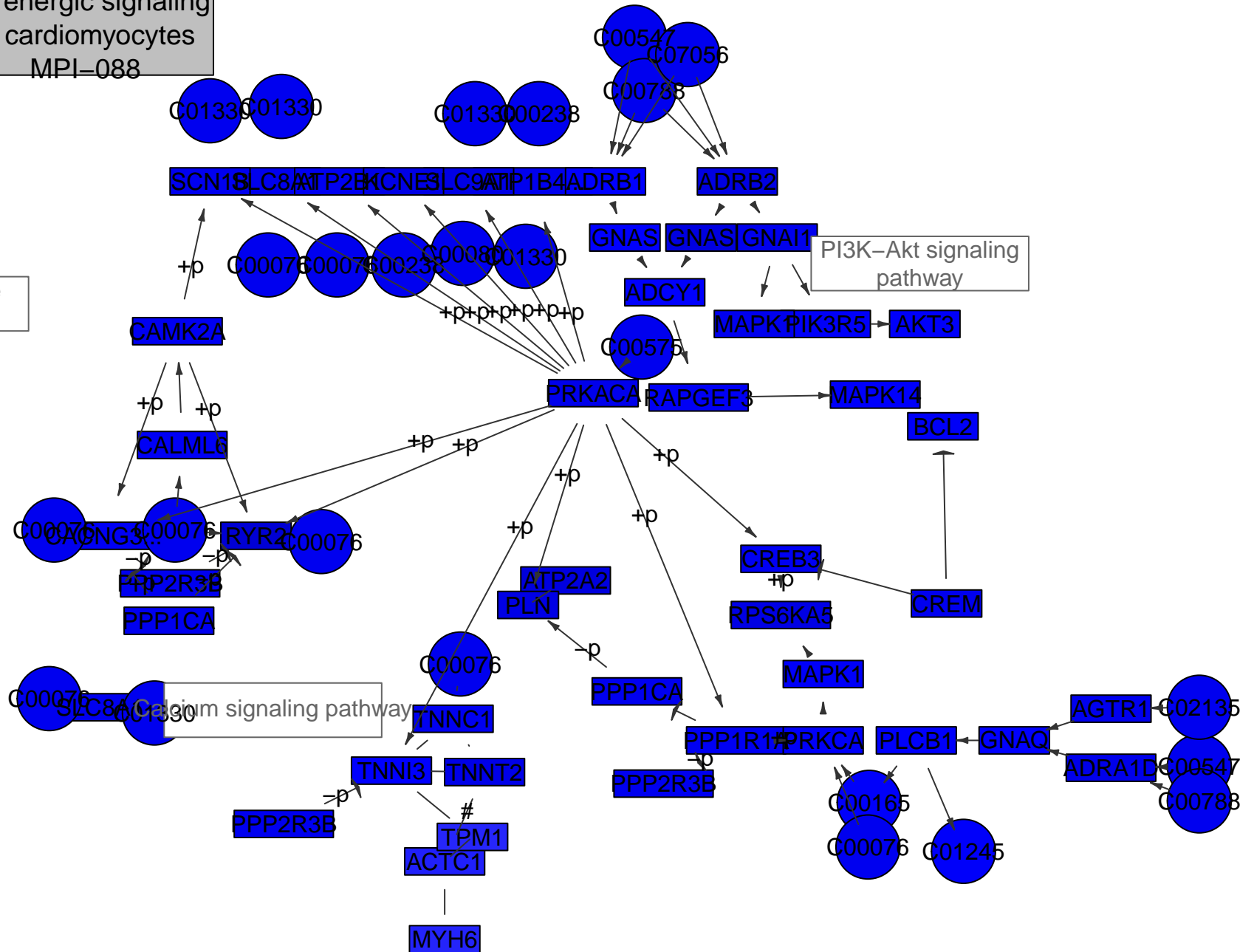
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-088

Cardiac muscle  
contraction



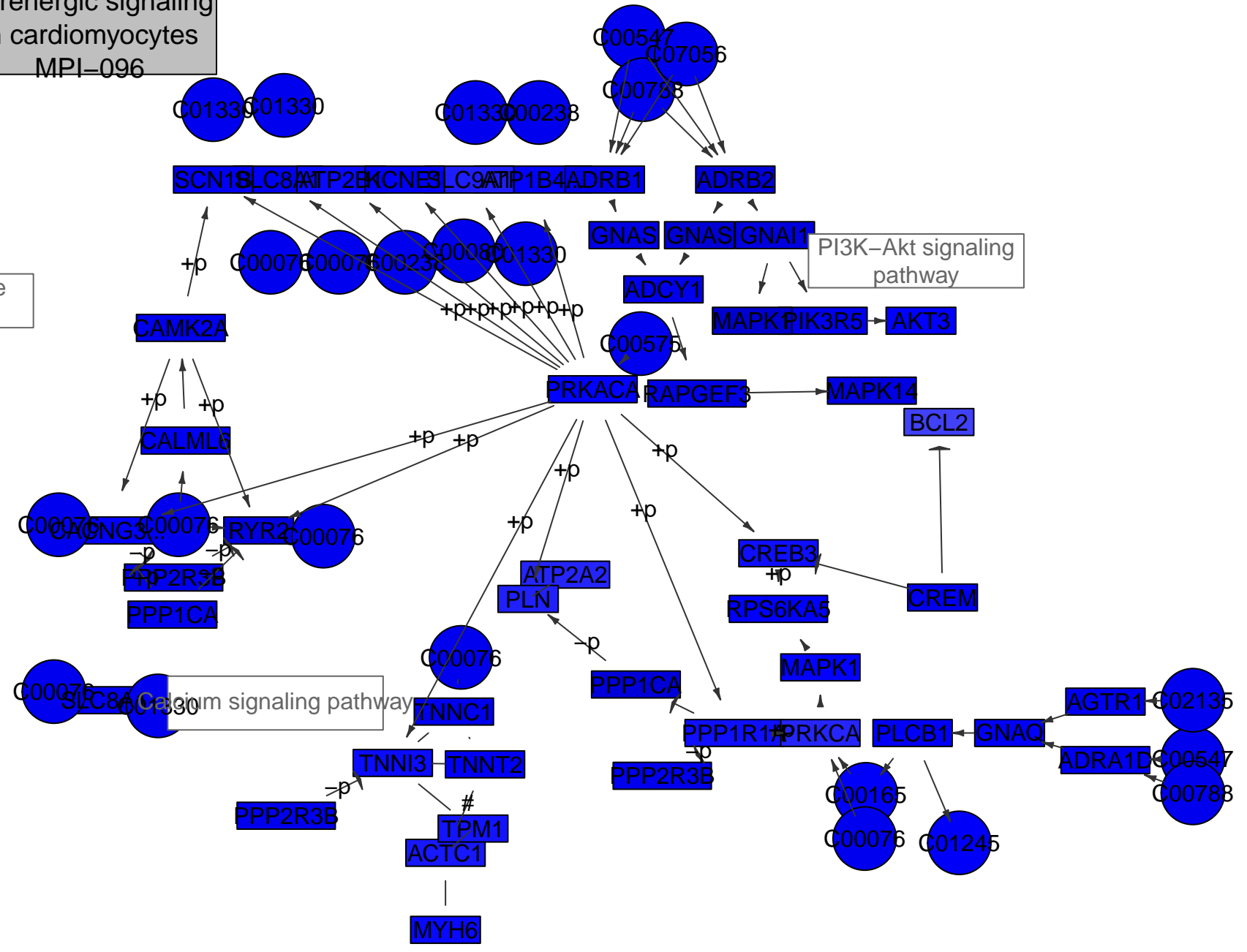


Adrenergic signaling  
in cardiomyocytes  
MPI-096

Cardiac muscle  
contraction

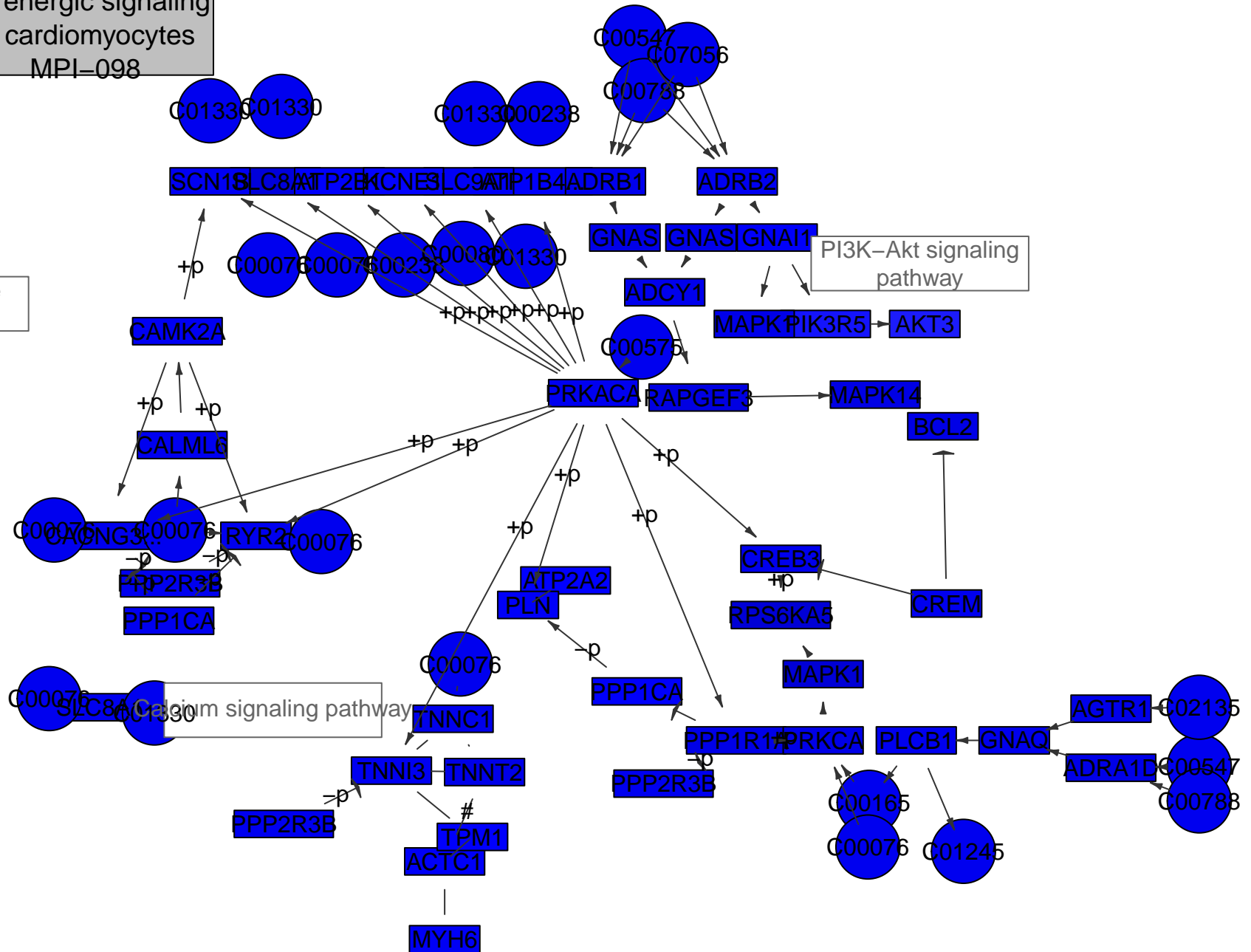
PI3K-Akt signaling  
pathway

Calcium signaling pathway



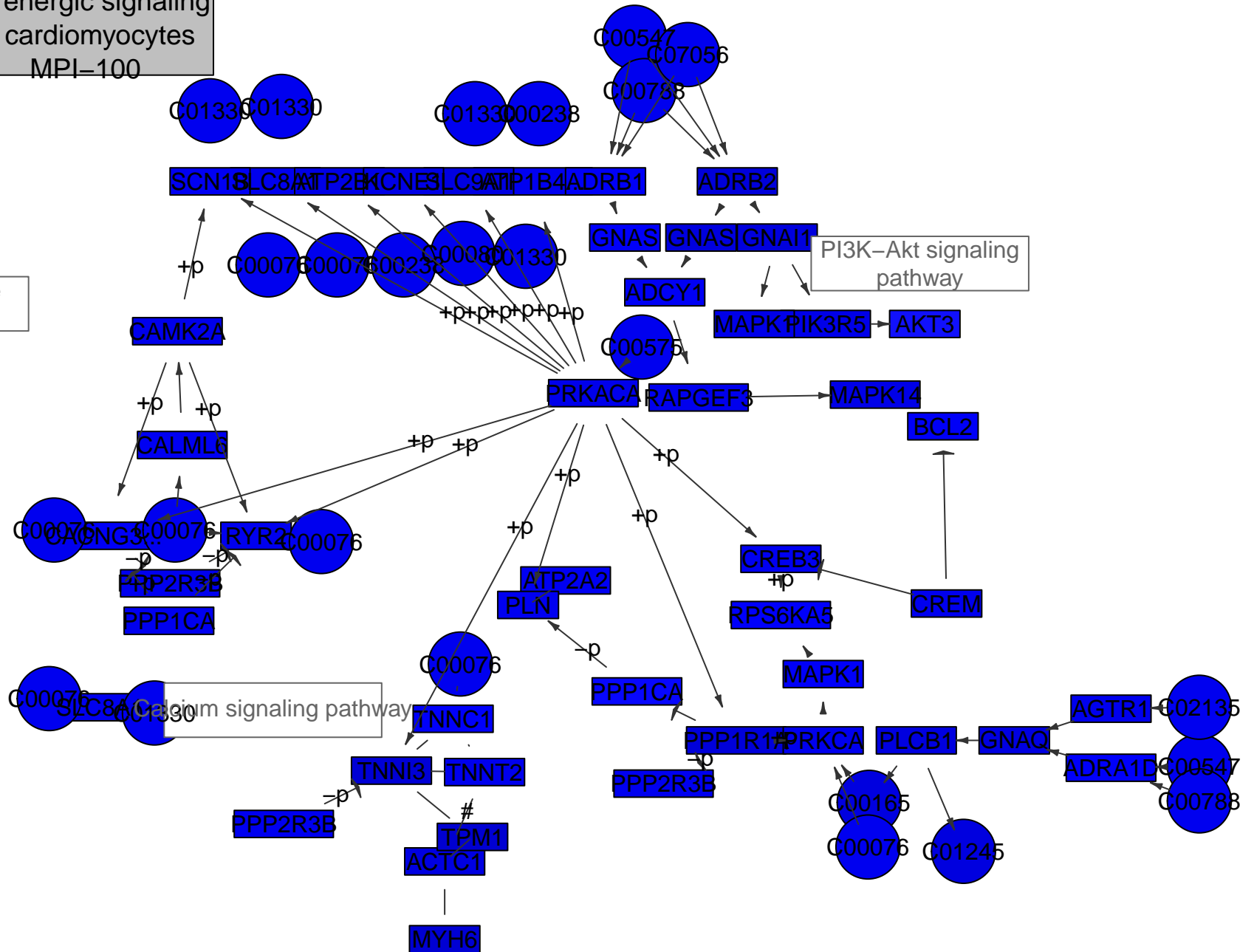
Adrenergic signaling  
in cardiomyocytes  
MPI-098

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-100

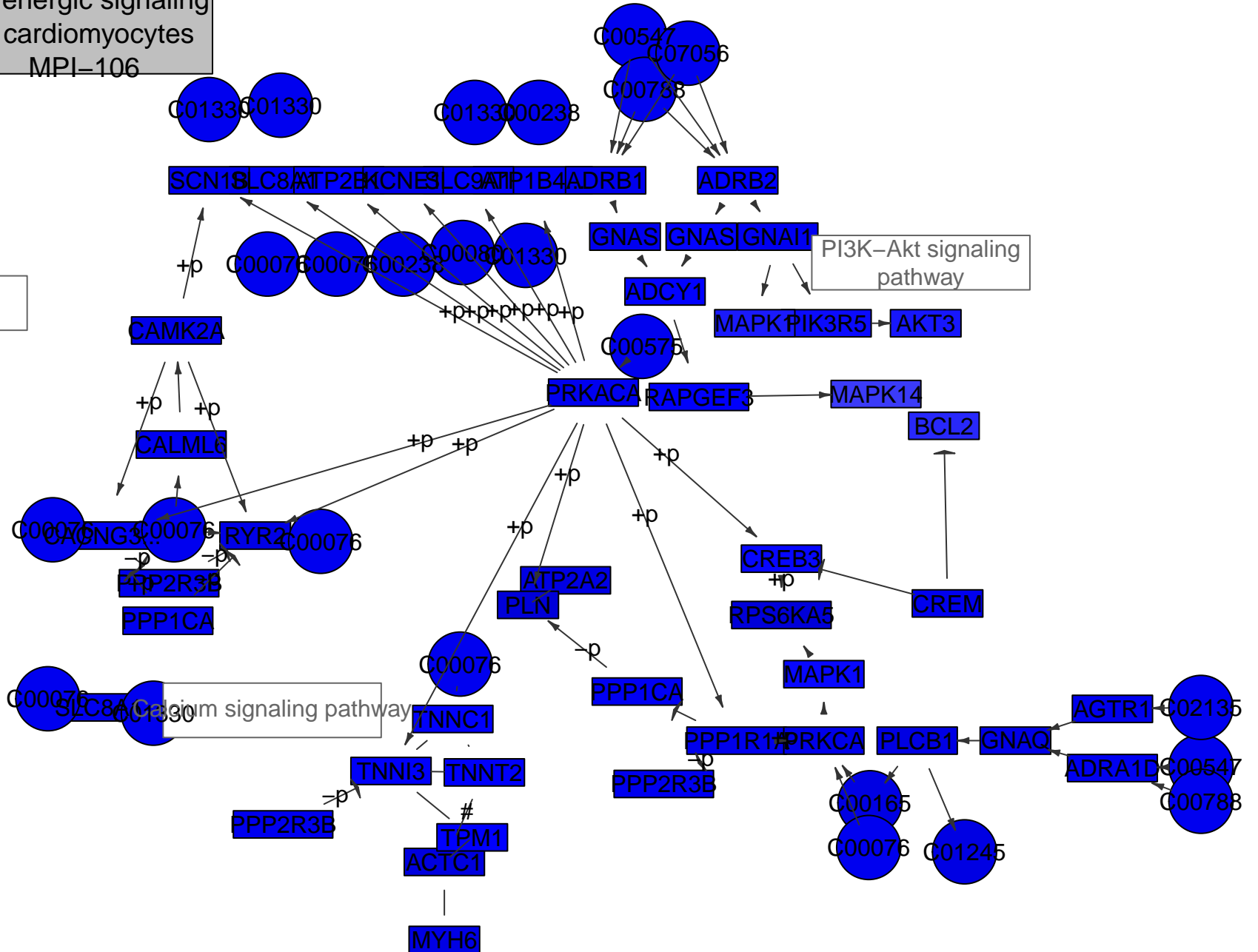
Cardiac muscle  
contraction





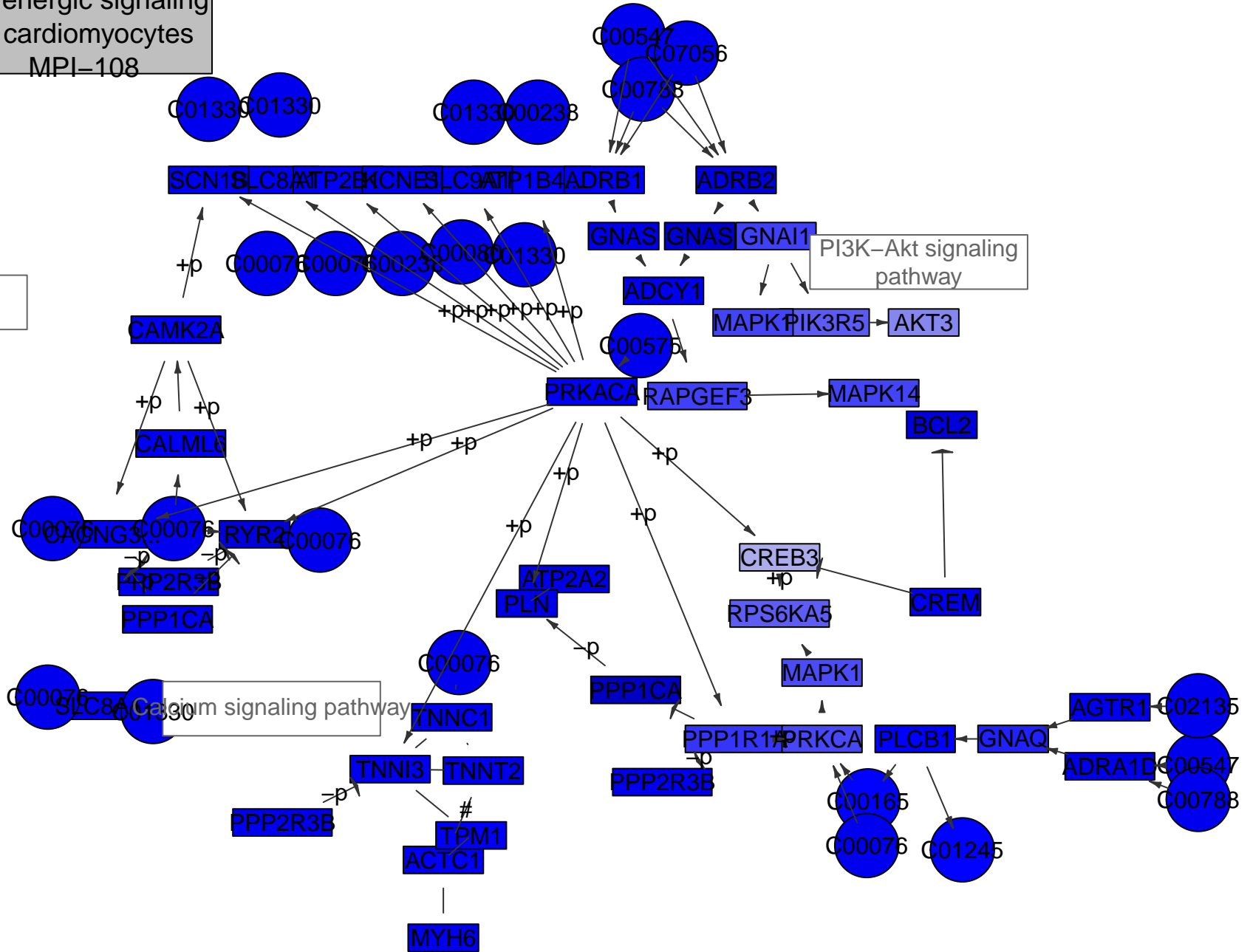
Adrenergic signaling  
in cardiomyocytes  
MPI-106

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-108

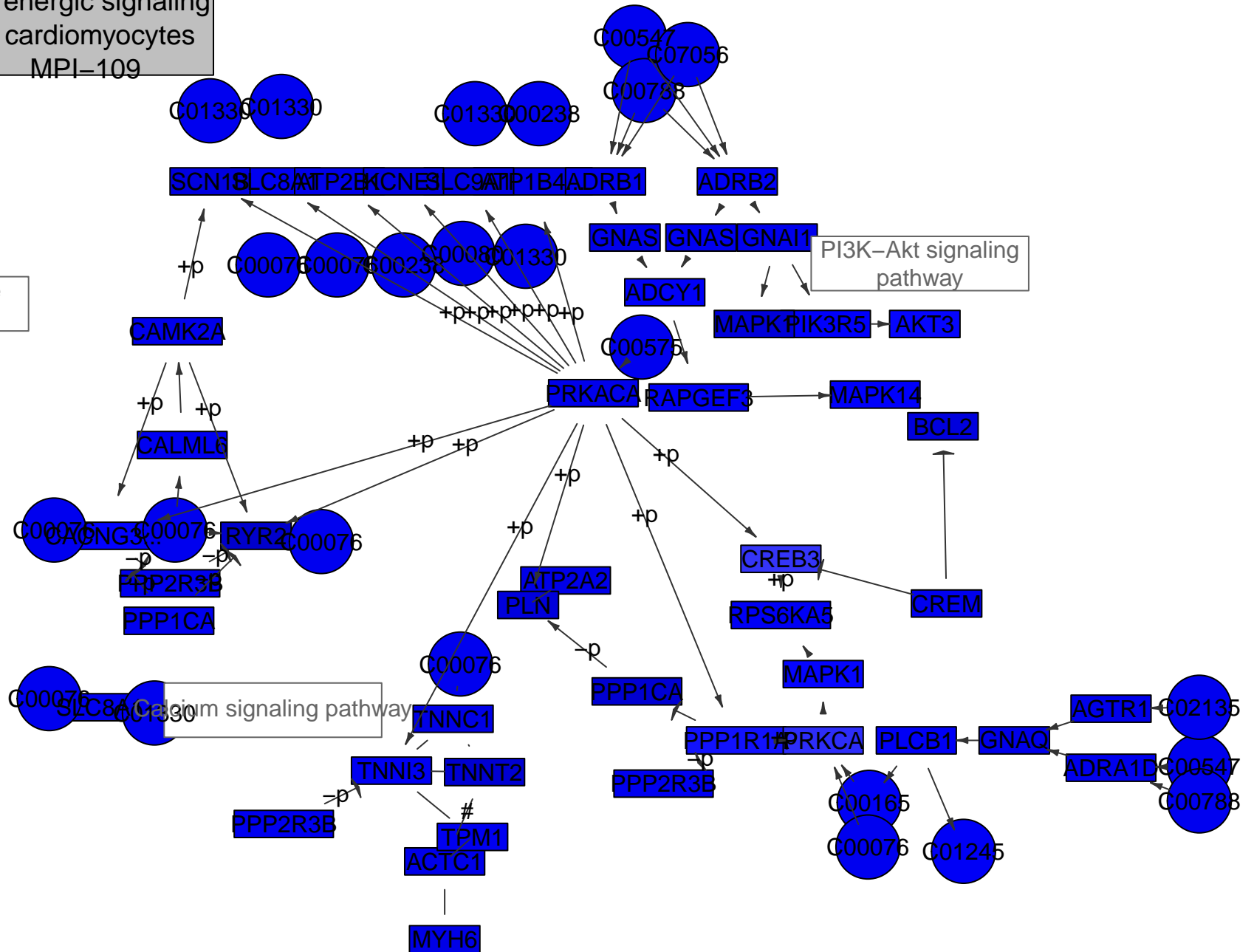
Cardiac muscle  
contraction





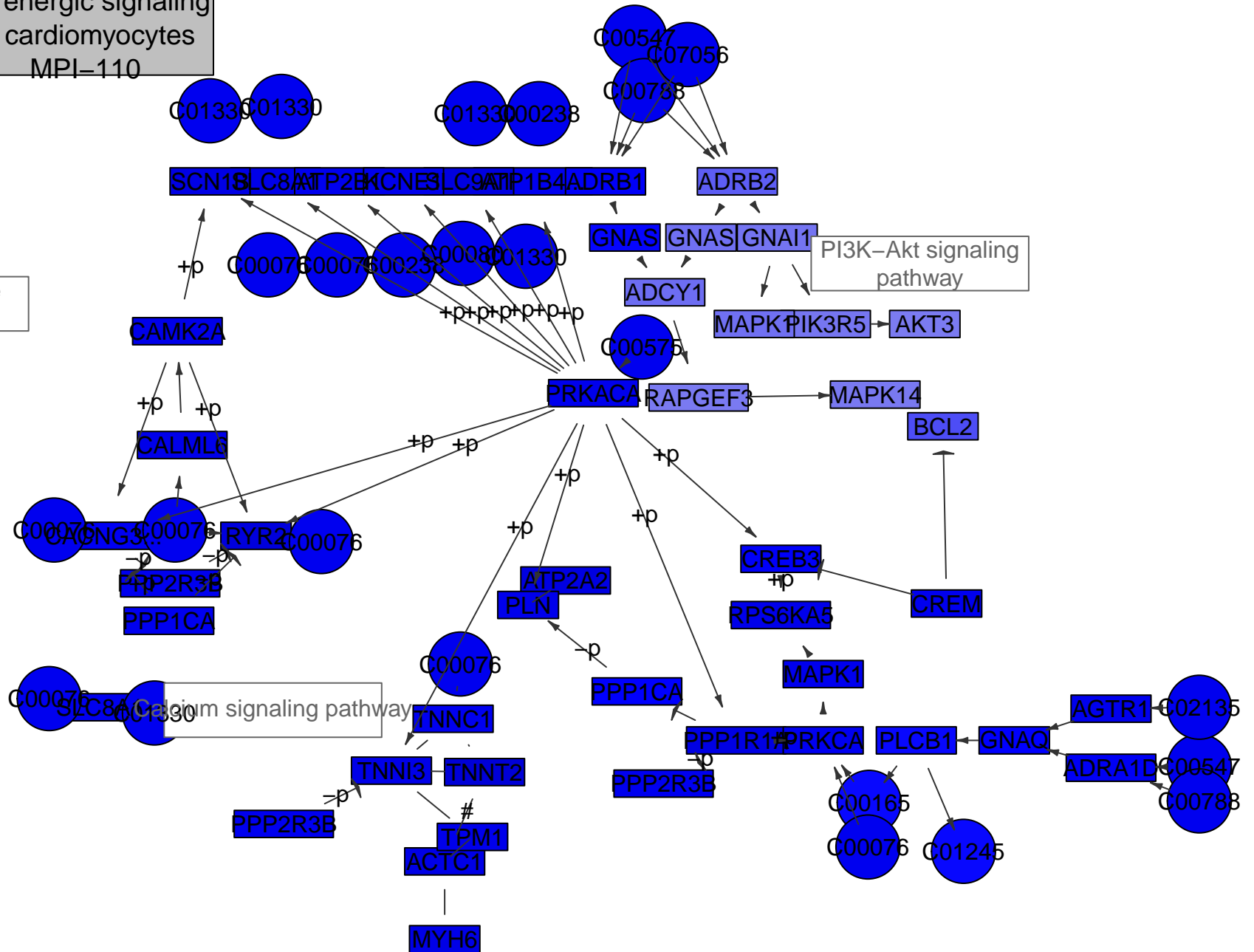
Adrenergic signaling  
in cardiomyocytes  
MPI-109

Cardiac muscle  
contraction



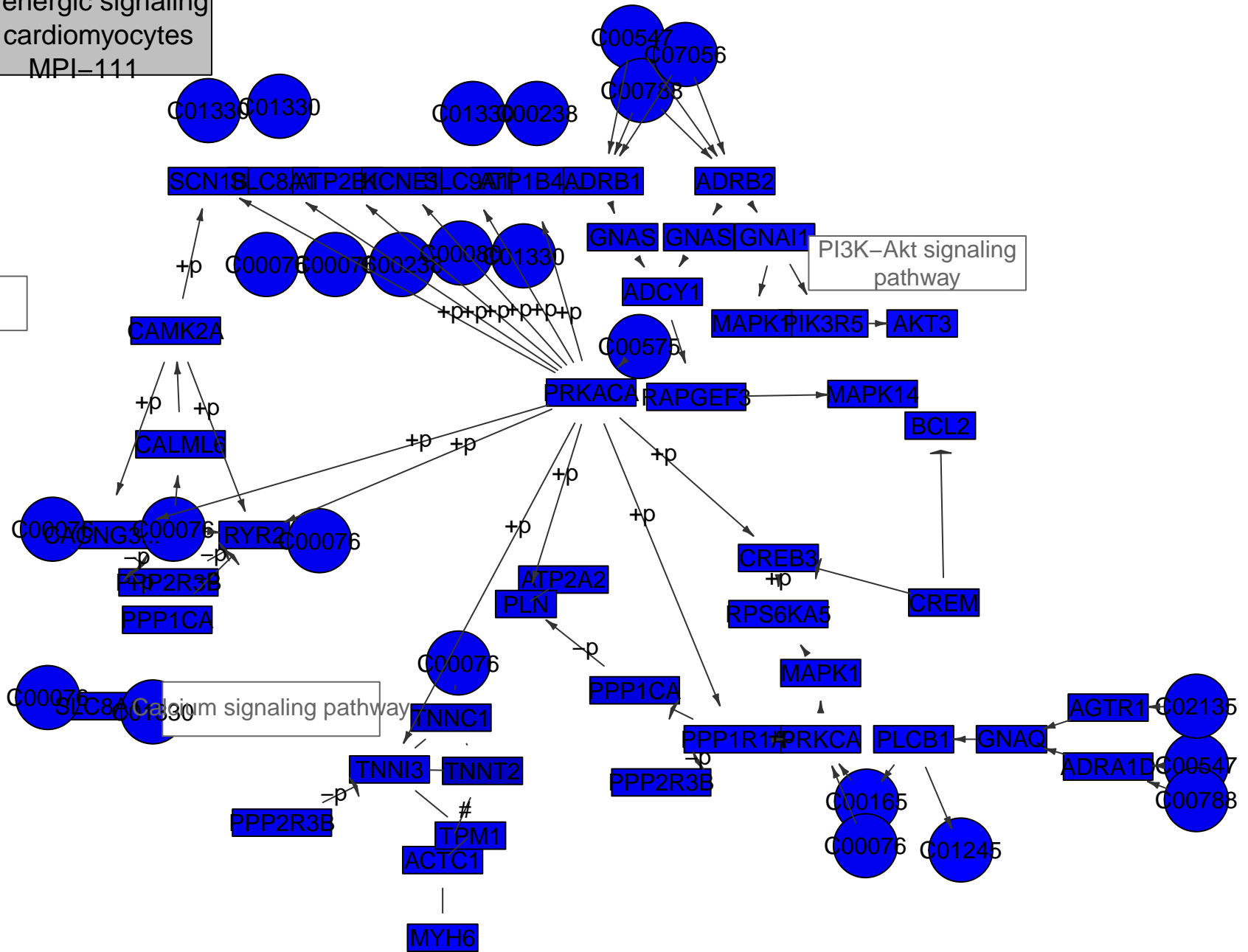
Adrenergic signaling  
in cardiomyocytes  
MPI-110

Cardiac muscle  
contraction



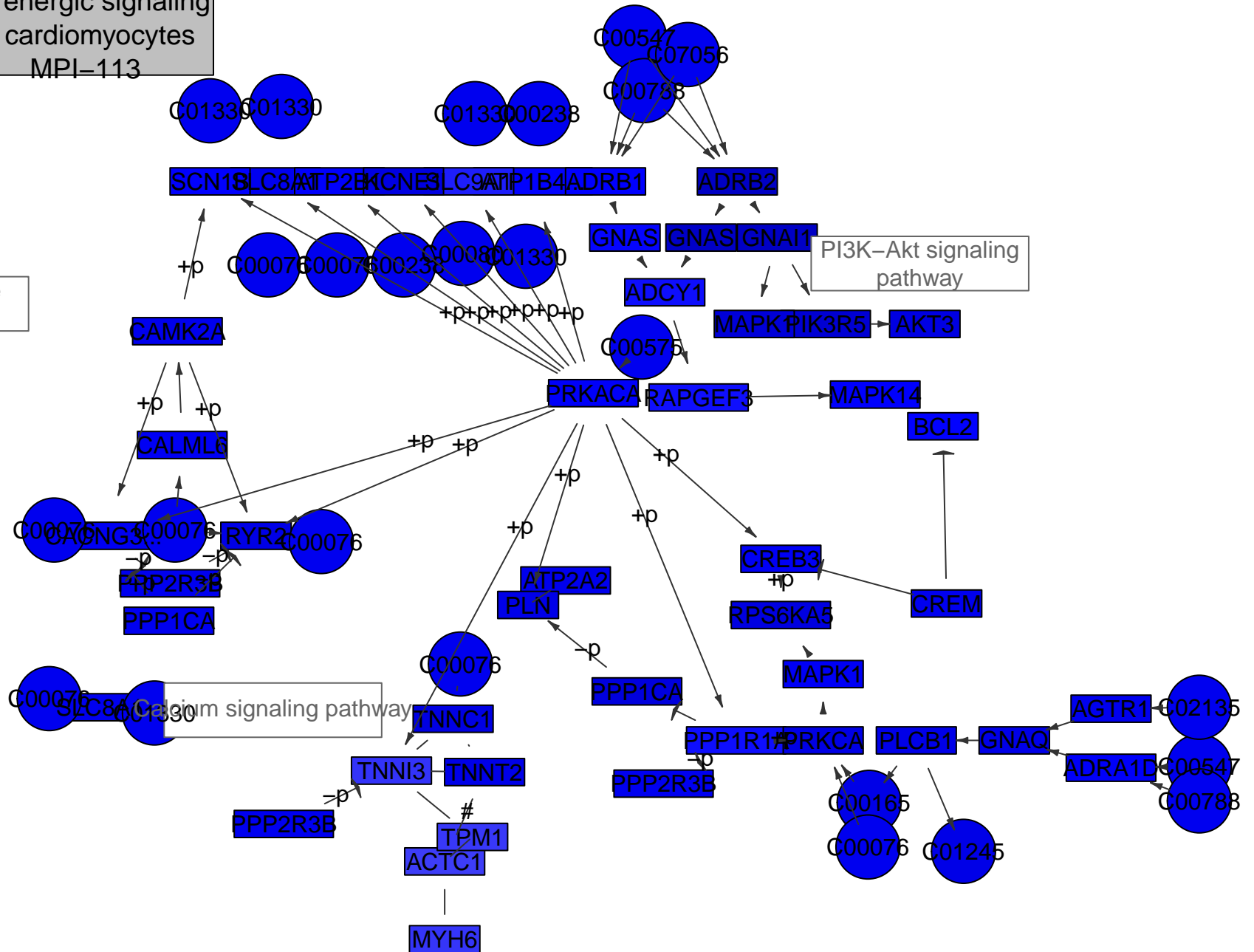
Adrenergic signaling  
in cardiomyocytes  
MPI-111

Cardiac muscle  
contraction



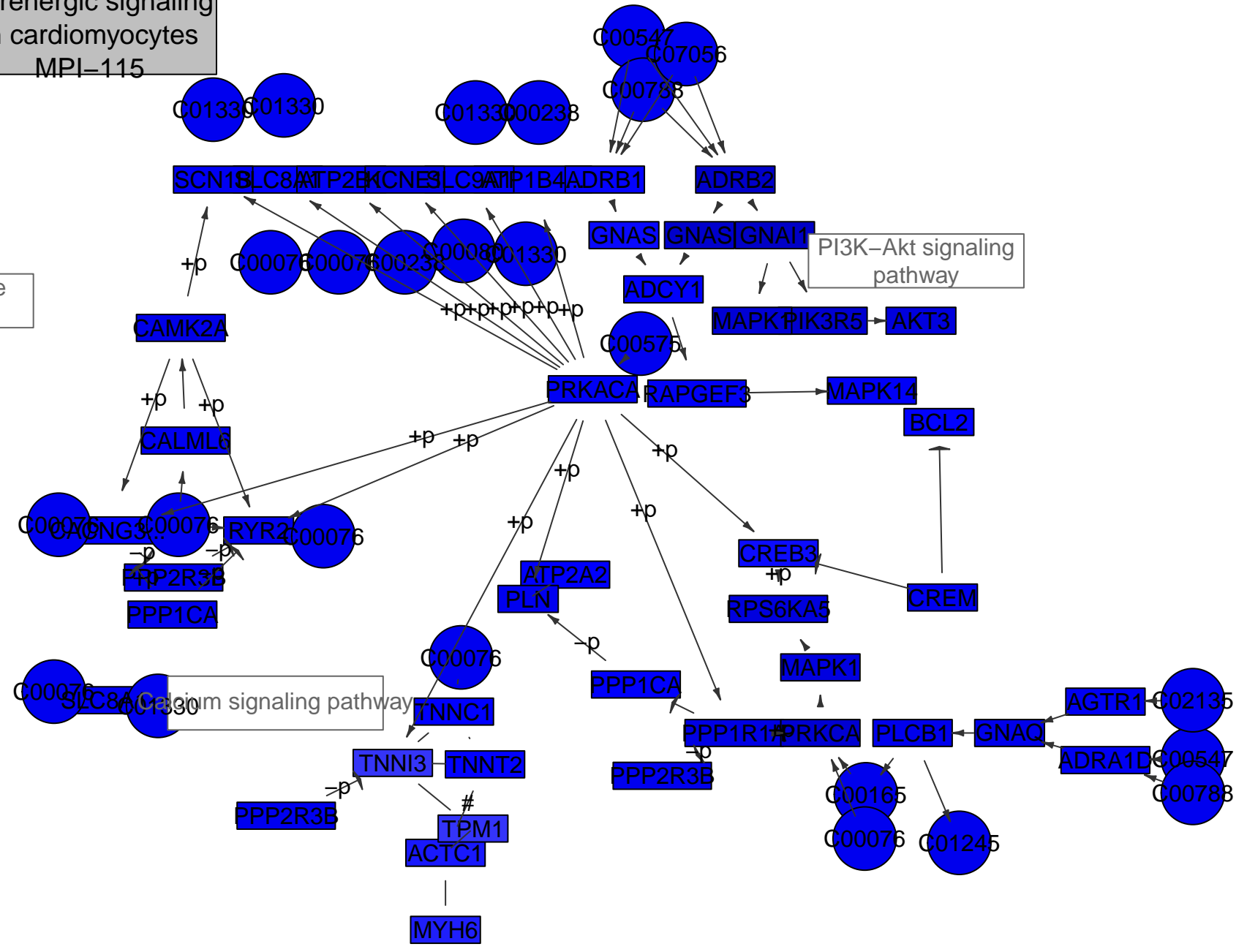
Adrenergic signaling  
in cardiomyocytes  
MPI-113

Cardiac muscle  
contraction



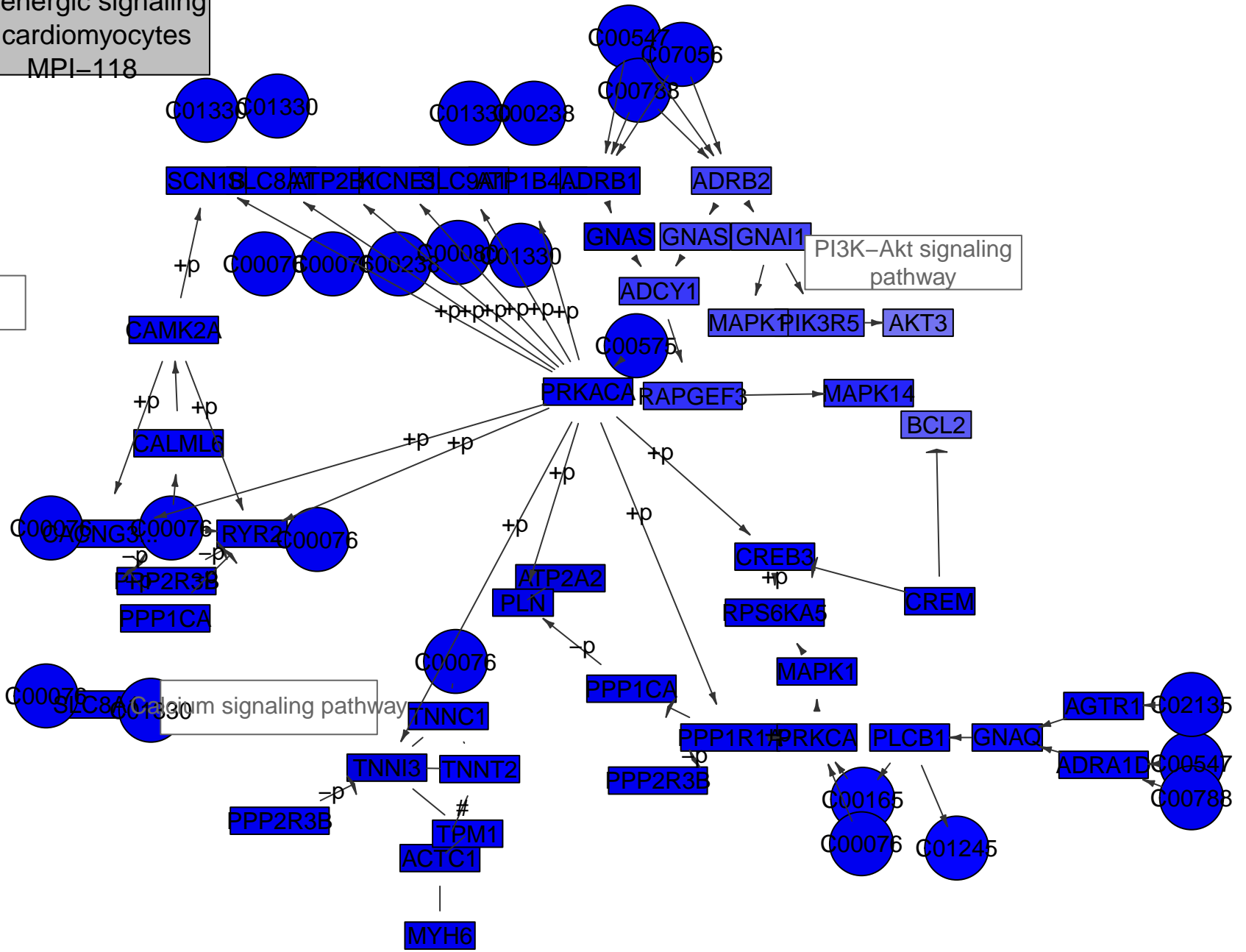
Adrenergic signaling  
in cardiomyocytes  
MPI-115

Cardiac muscle  
contraction



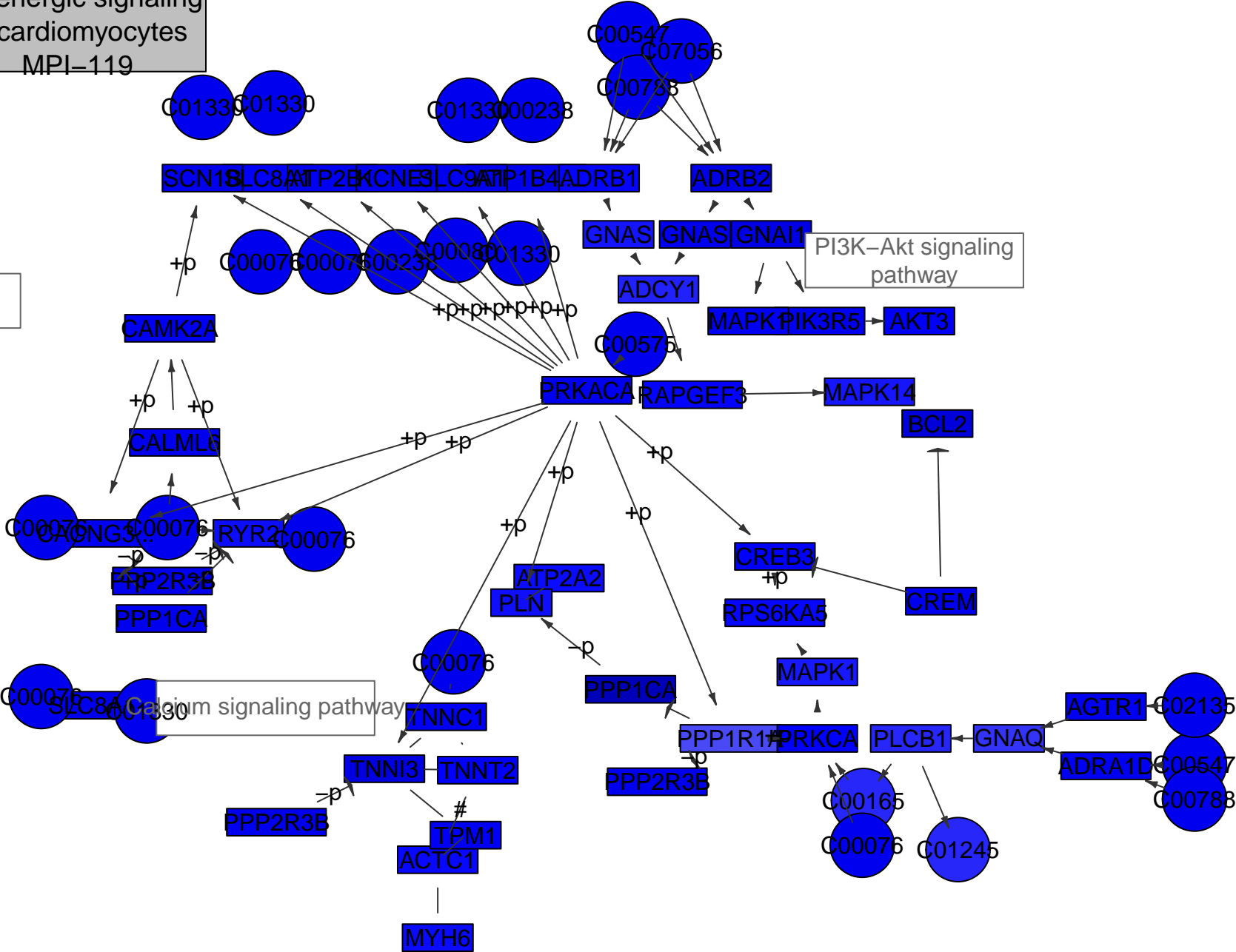
Adrenergic signaling  
in cardiomyocytes  
MPI-118

Cardiac muscle  
contraction



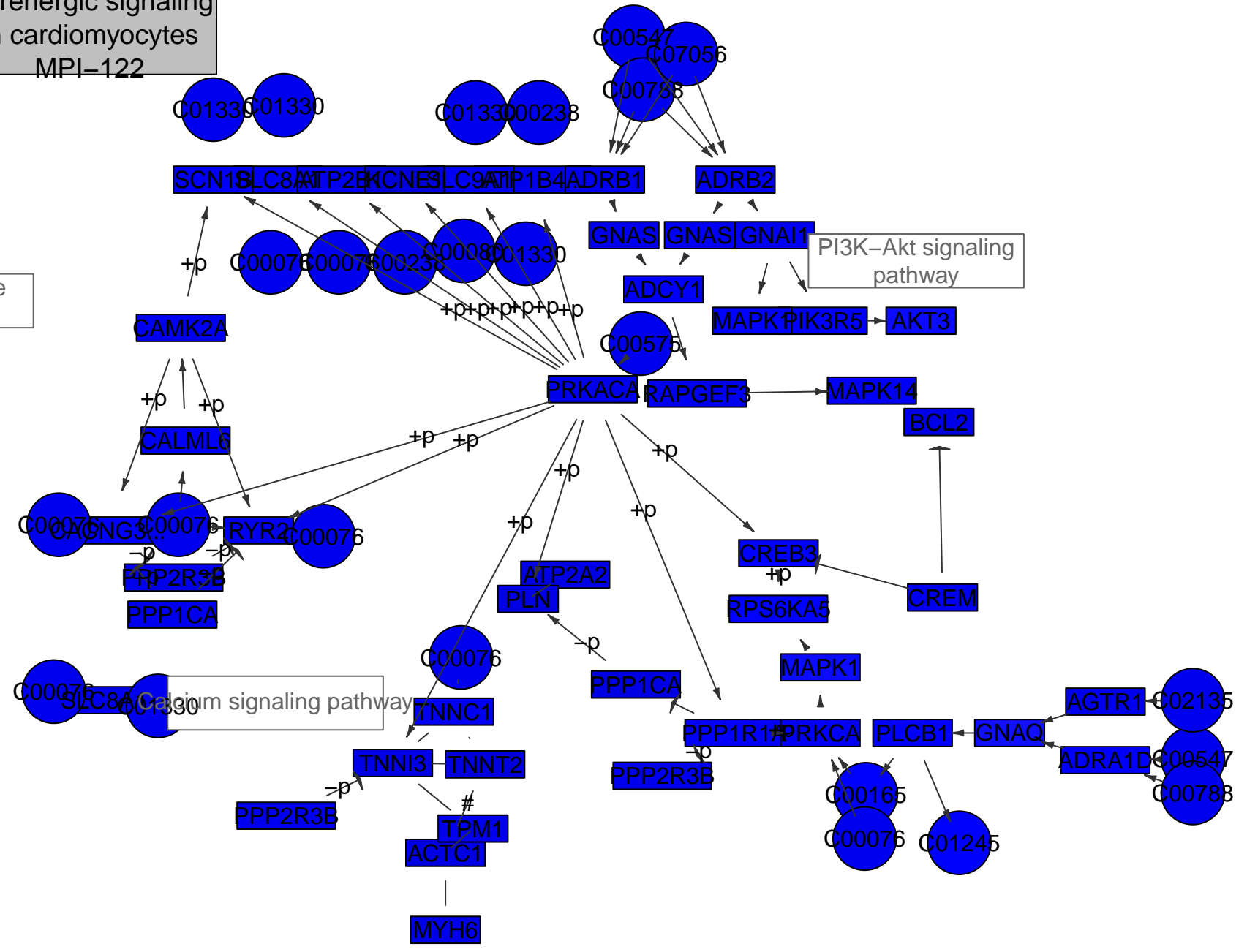
Adrenergic signaling  
in cardiomyocytes  
MPI-119

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-122

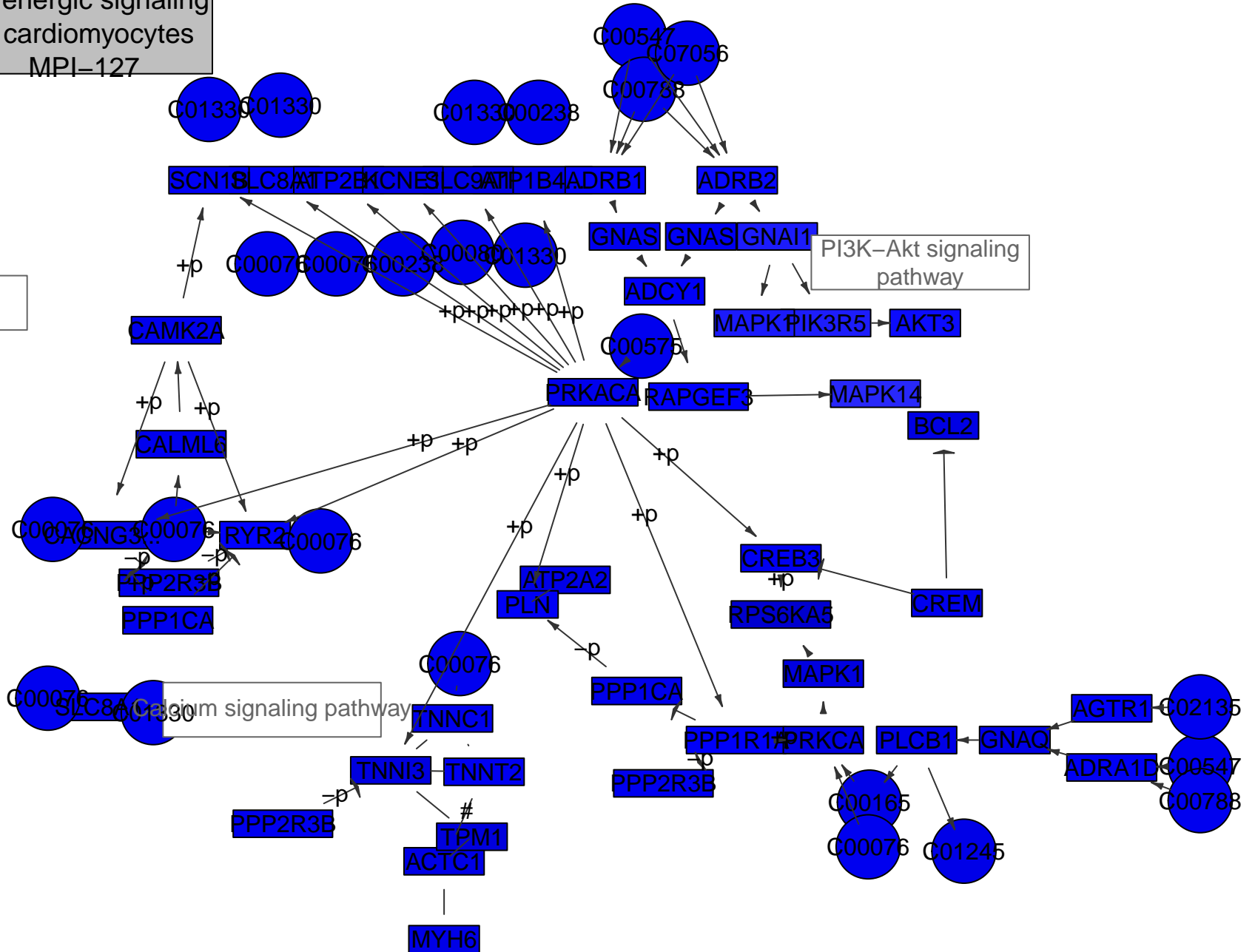
Cardiac muscle  
contraction





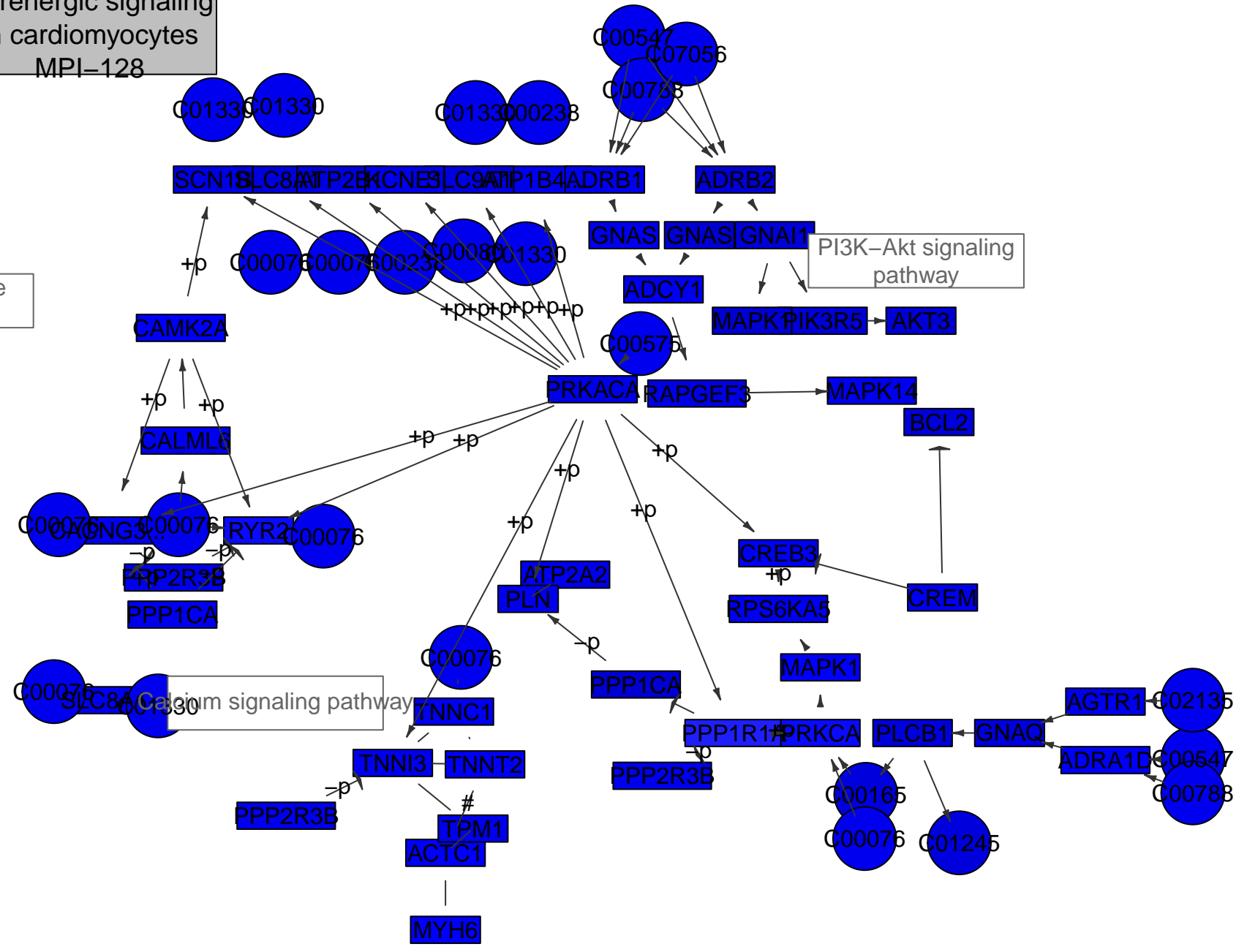
Adrenergic signaling  
in cardiomyocytes  
MPI-127

Cardiac muscle  
contraction



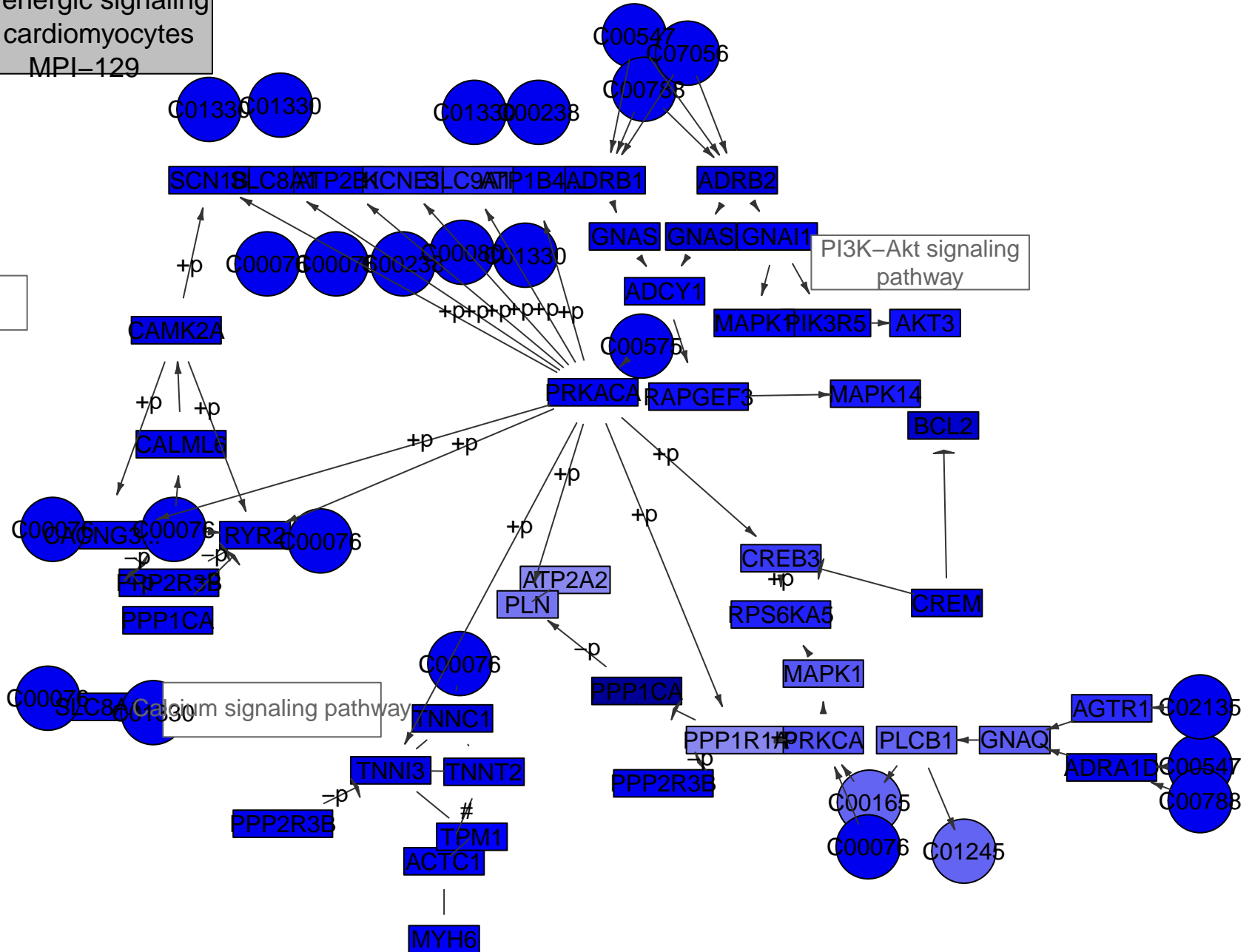
Adrenergic signaling  
in cardiomyocytes  
MPI-128

Cardiac muscle  
contraction



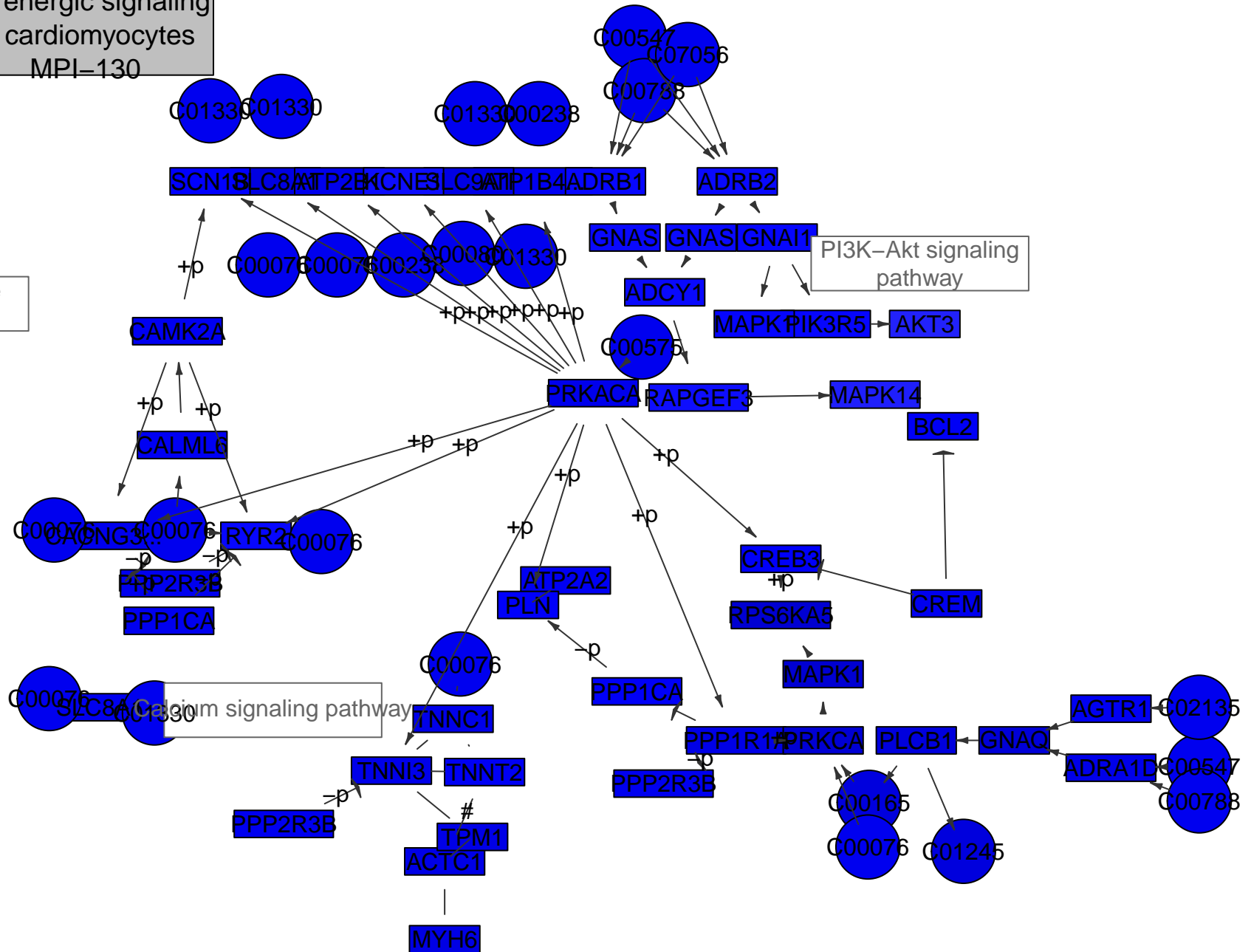
Adrenergic signaling  
in cardiomyocytes  
MPI-129

Cardiac muscle  
contraction



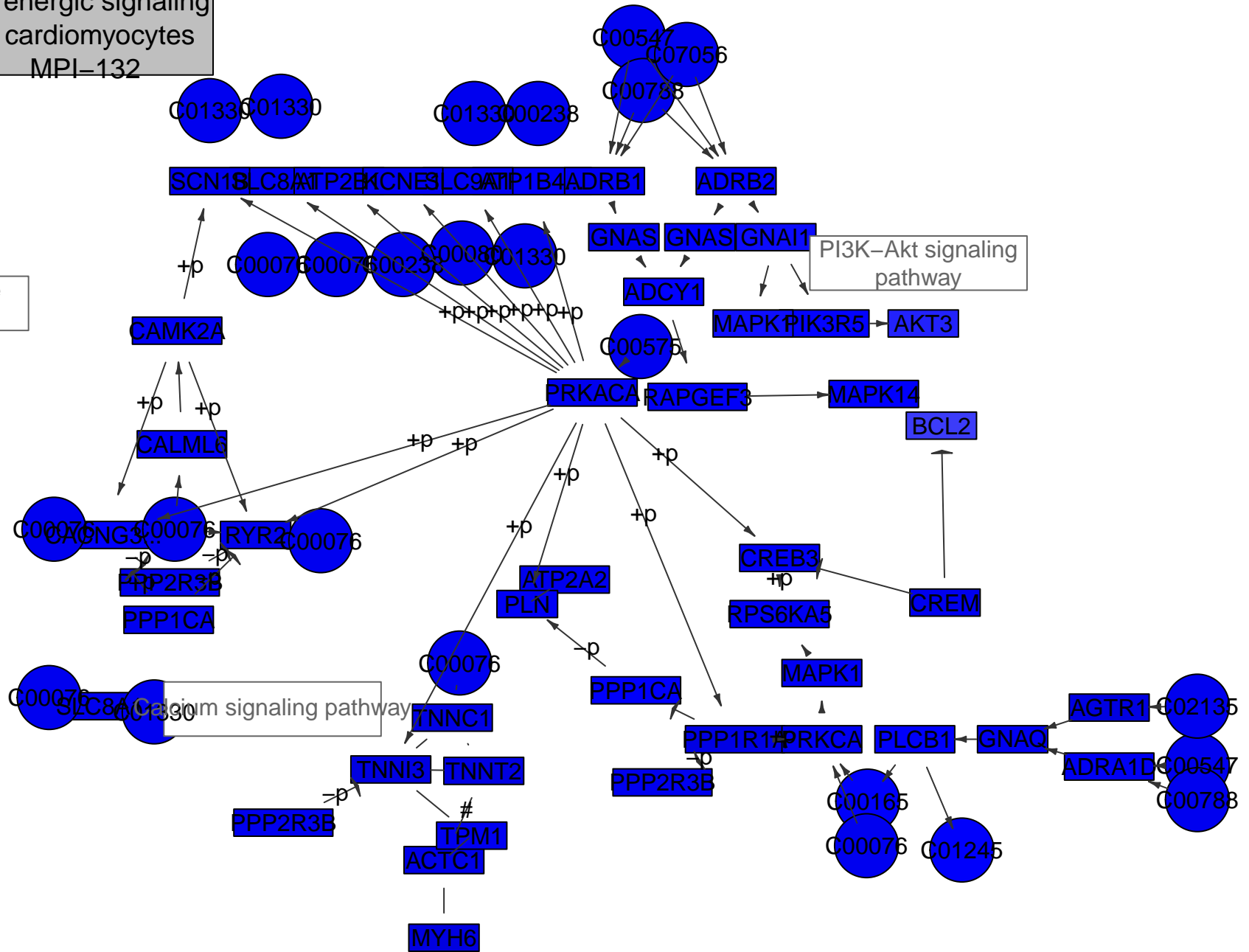
Adrenergic signaling  
in cardiomyocytes  
MPI-130

Cardiac muscle  
contraction



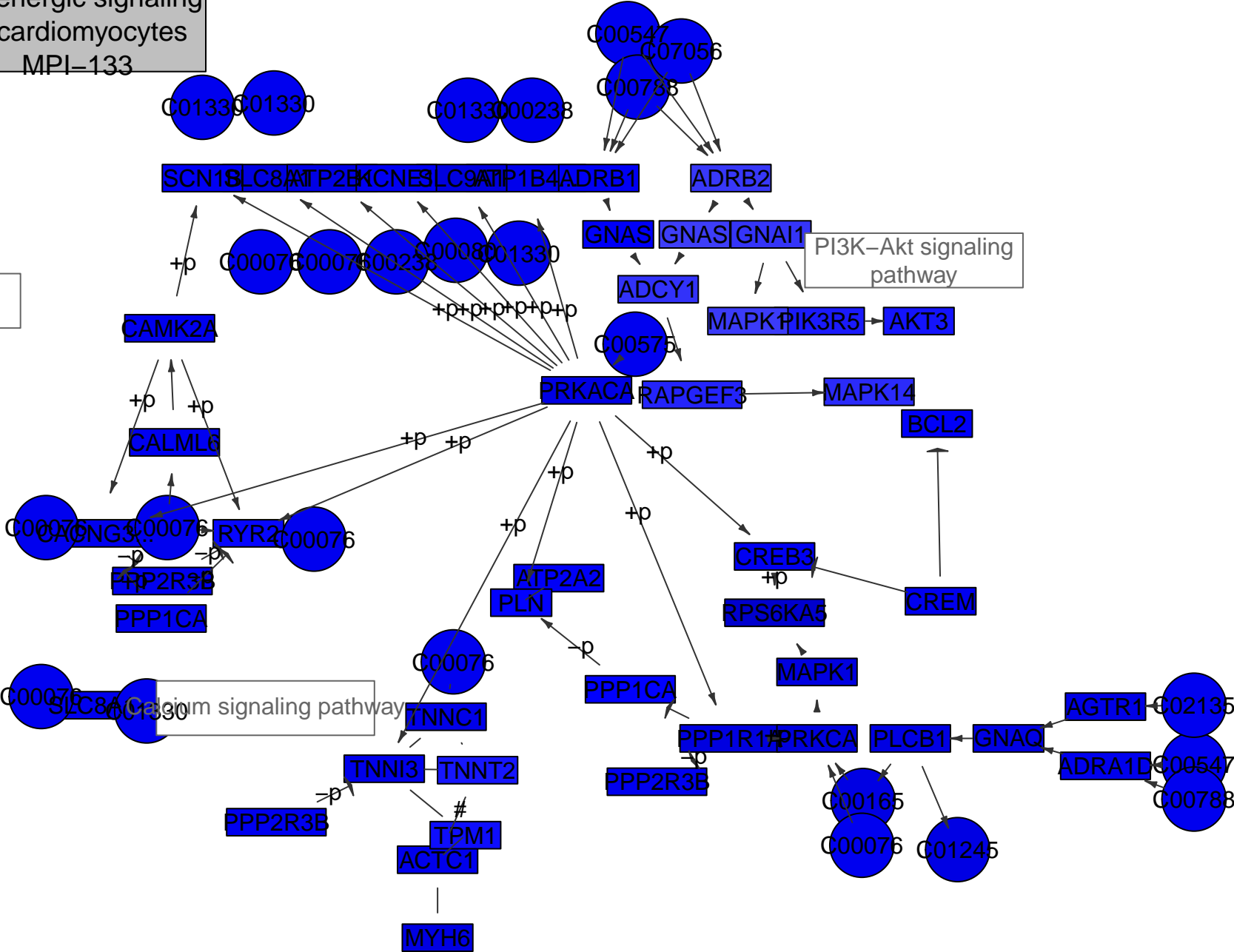
Adrenergic signaling  
in cardiomyocytes  
MPI-132

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-133

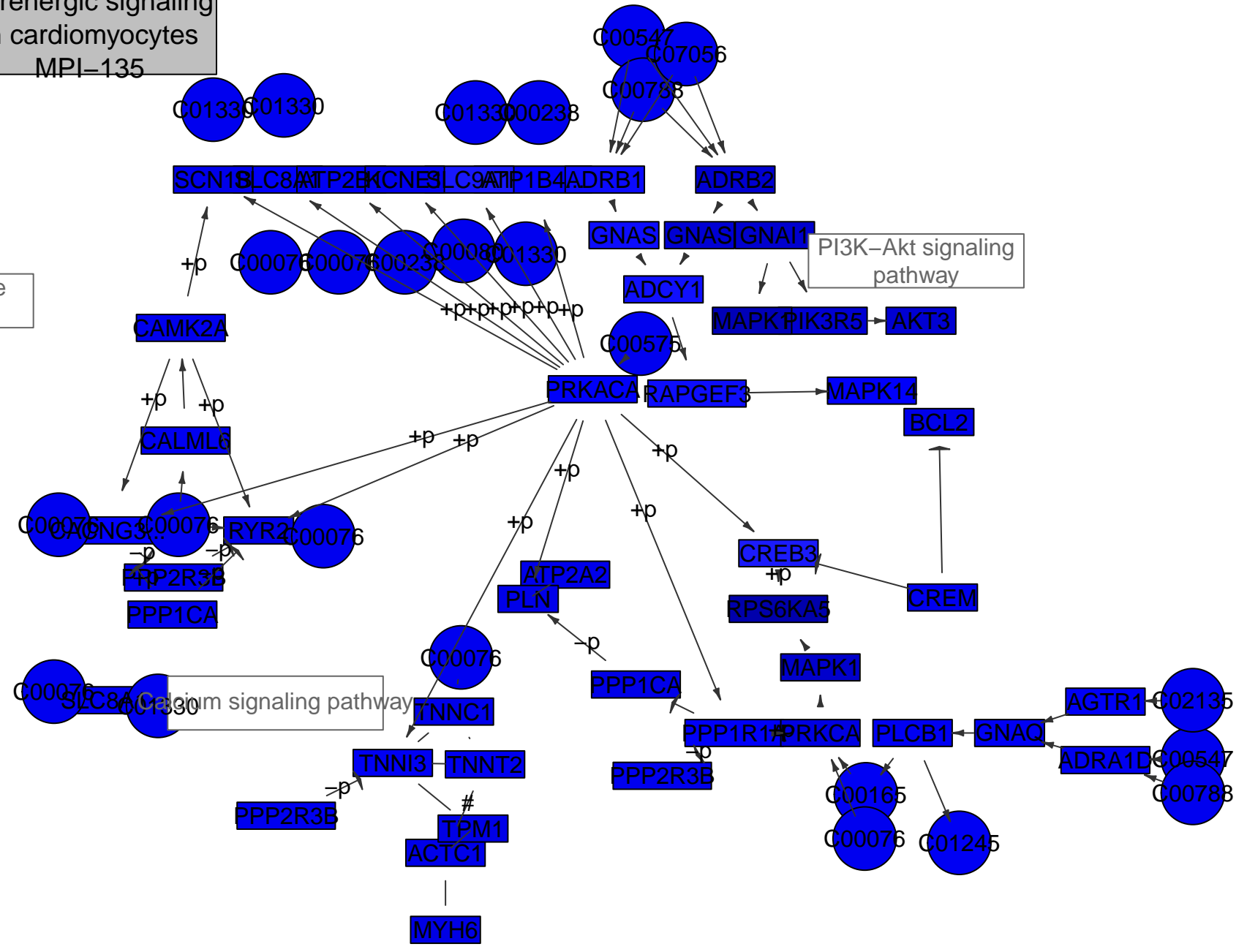
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-135

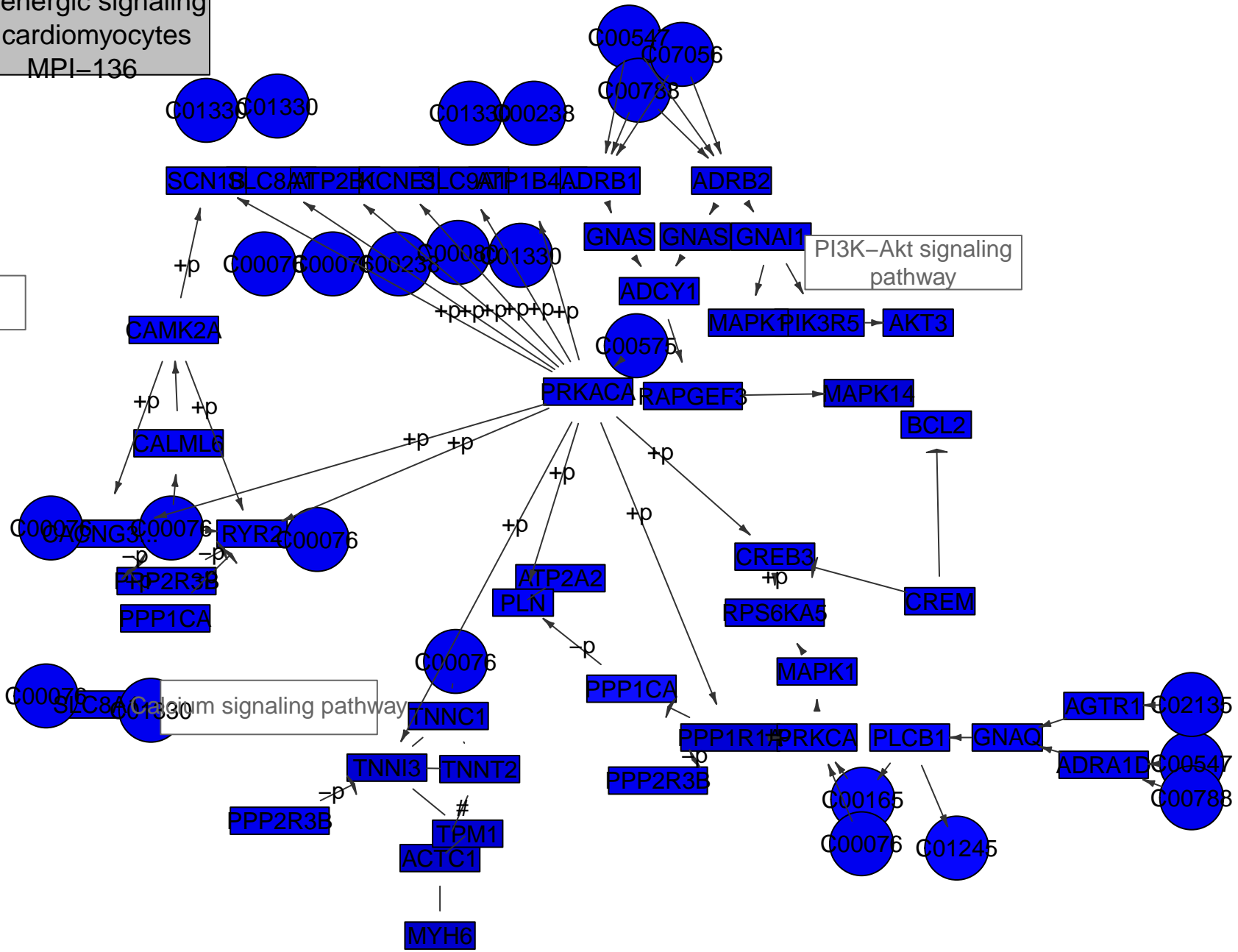
Cardiac muscle  
contraction





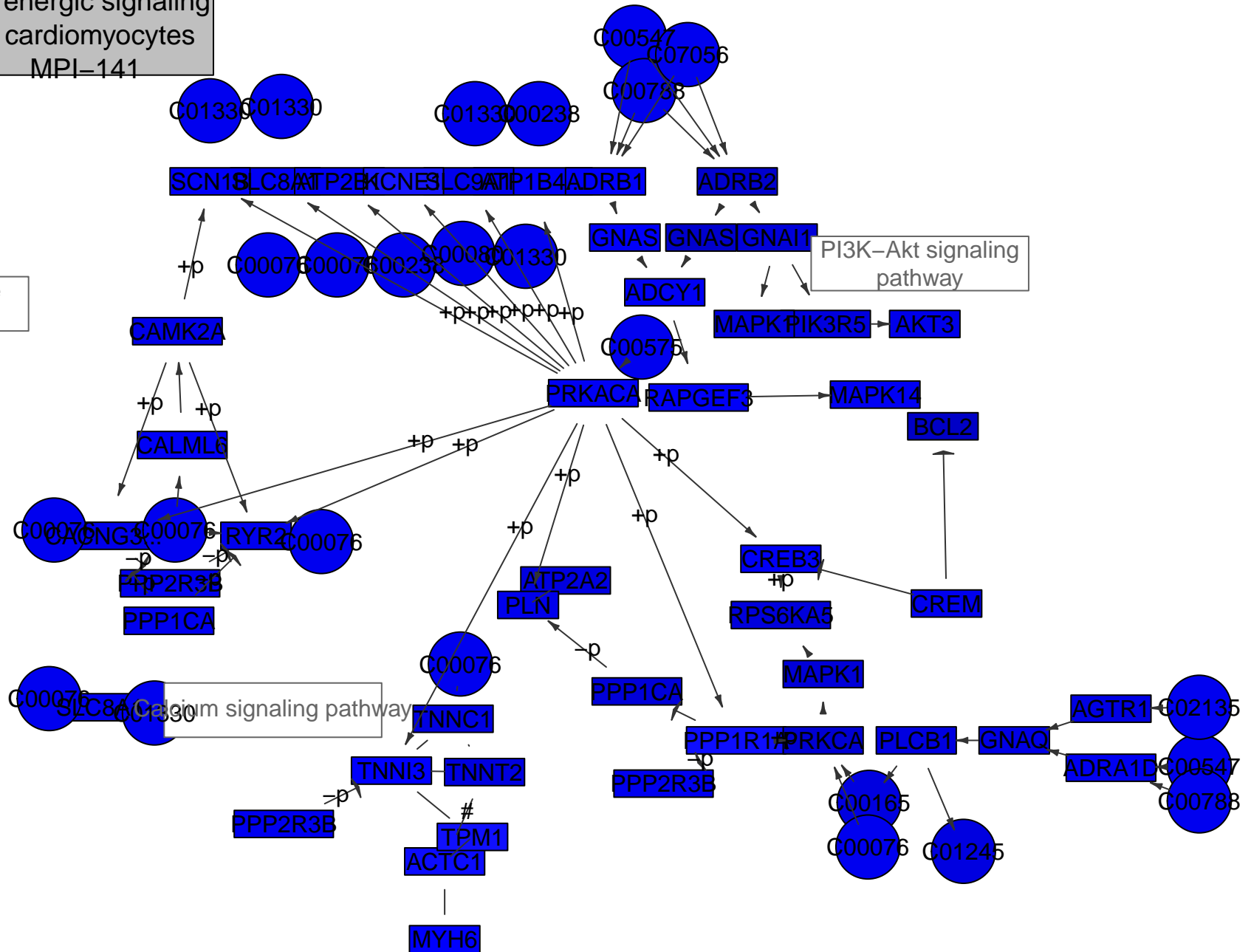
Adrenergic signaling  
in cardiomyocytes  
MPI-136

Cardiac muscle  
contraction



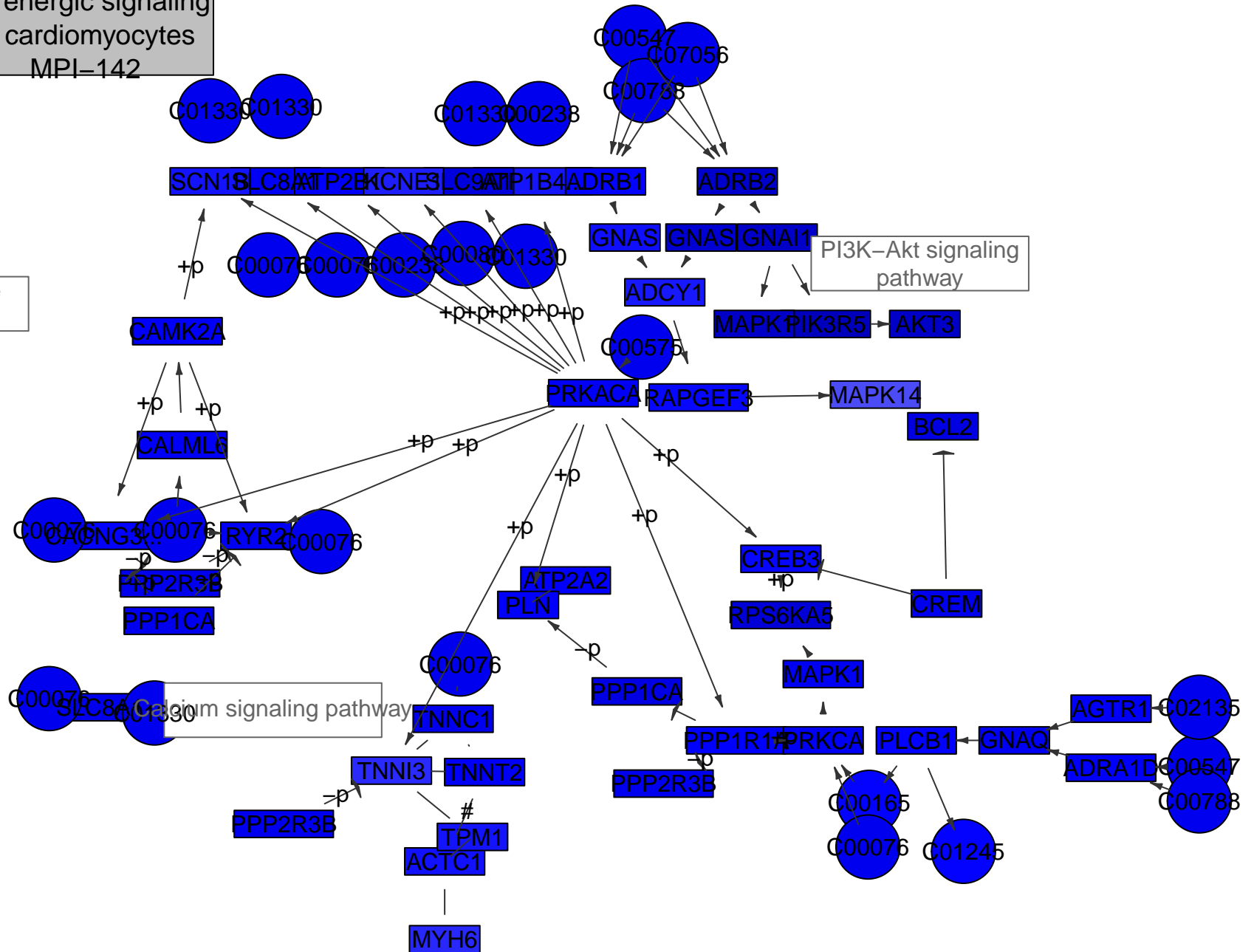
Adrenergic signaling  
in cardiomyocytes  
MPI-141

Cardiac muscle  
contraction



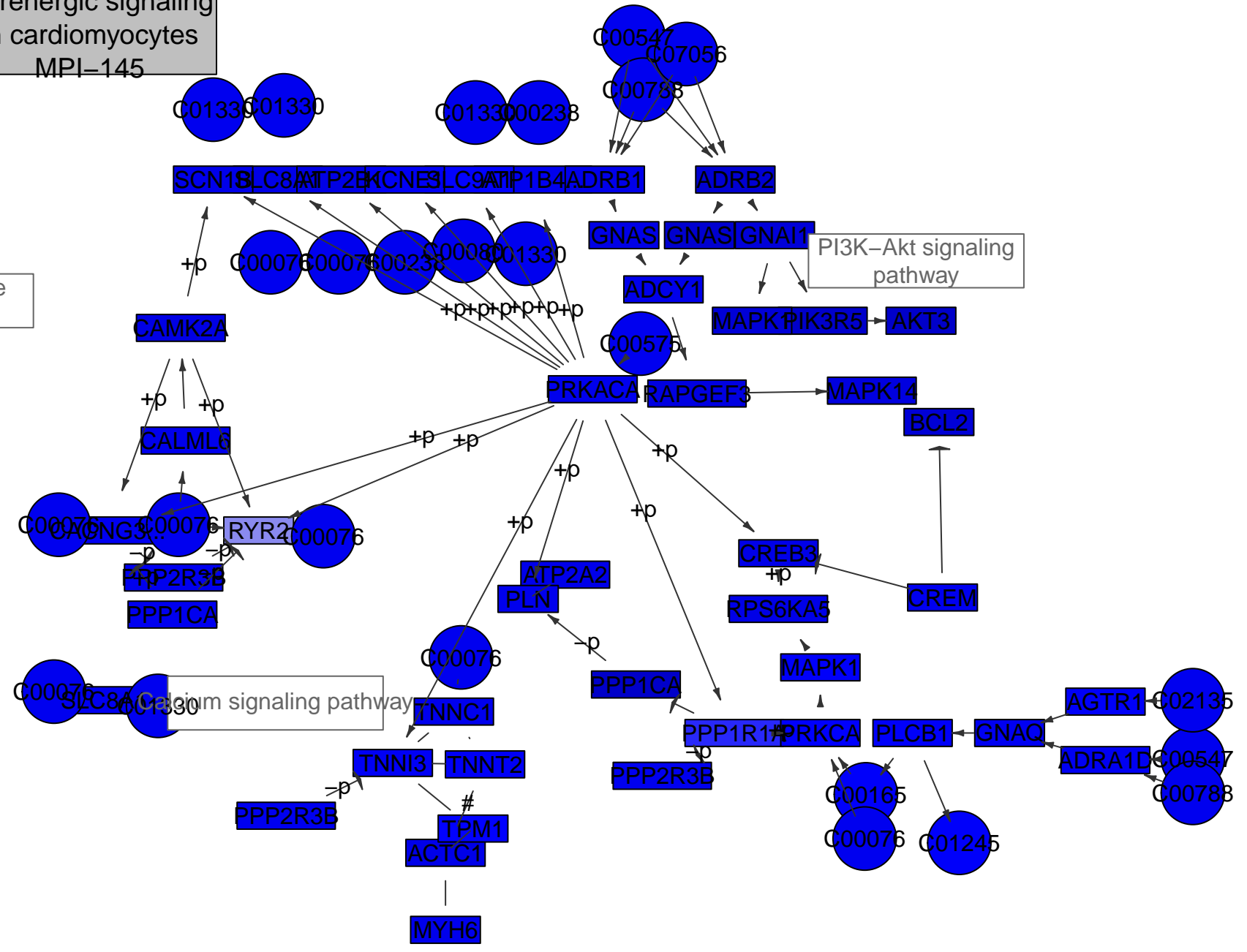
Adrenergic signaling  
in cardiomyocytes  
MPI-142

Cardiac muscle  
contraction



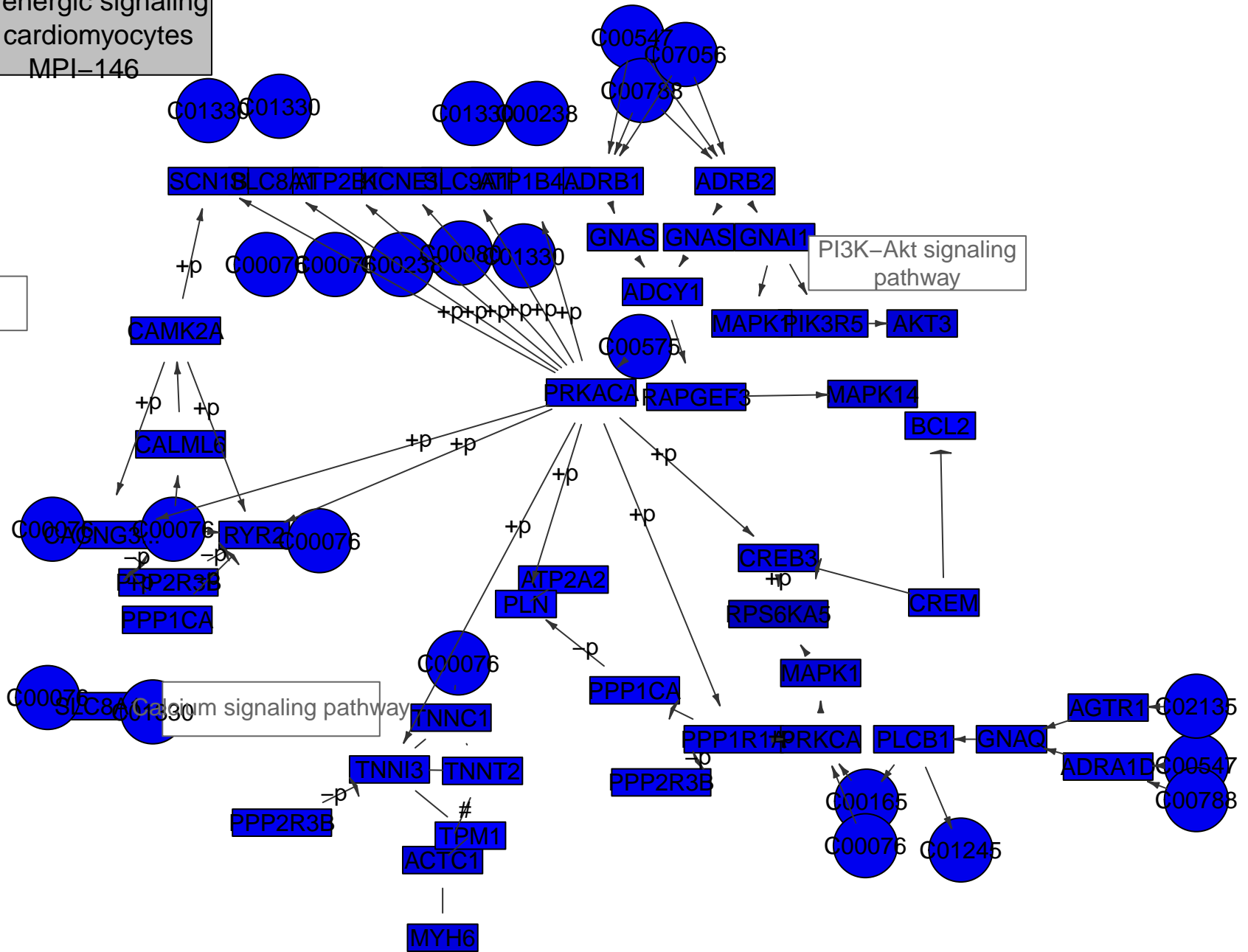
Adrenergic signaling  
in cardiomyocytes  
MPI-145

Cardiac muscle  
contraction



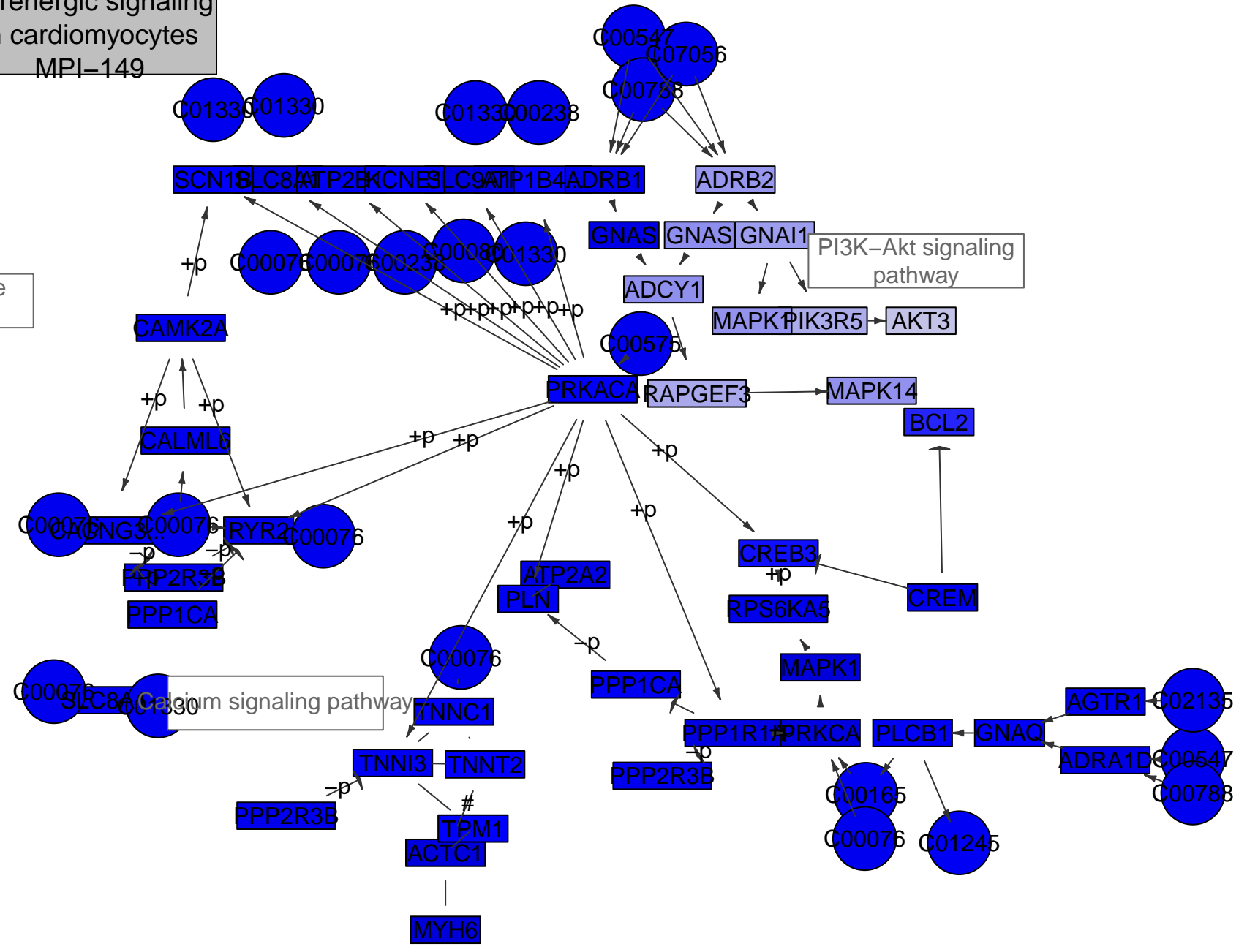
Adrenergic signaling  
in cardiomyocytes  
MPI-146

Cardiac muscle  
contraction



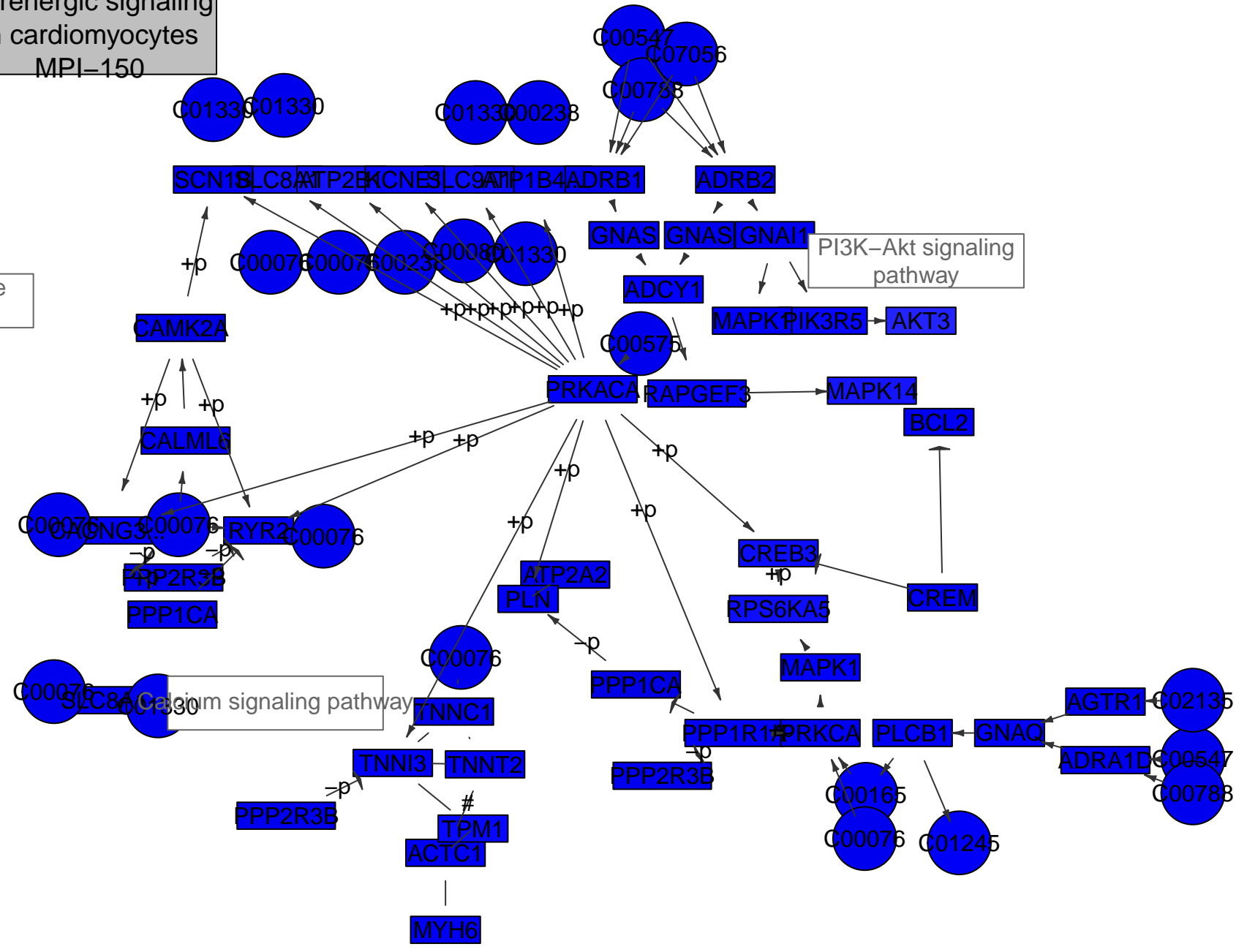
Adrenergic signaling  
in cardiomyocytes  
MPI-149

Cardiac muscle  
contraction



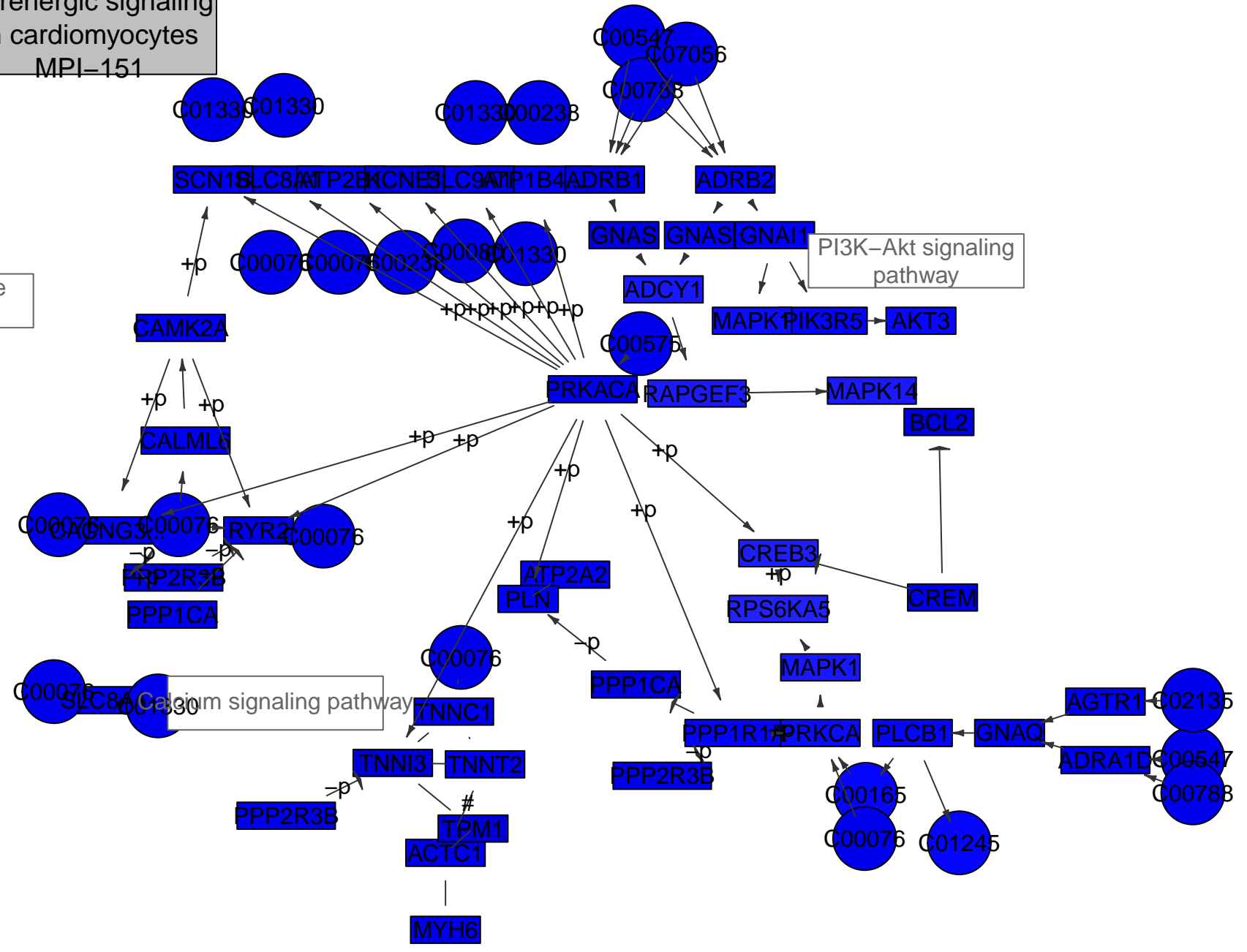
Adrenergic signaling  
in cardiomyocytes  
MPI-150

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-151

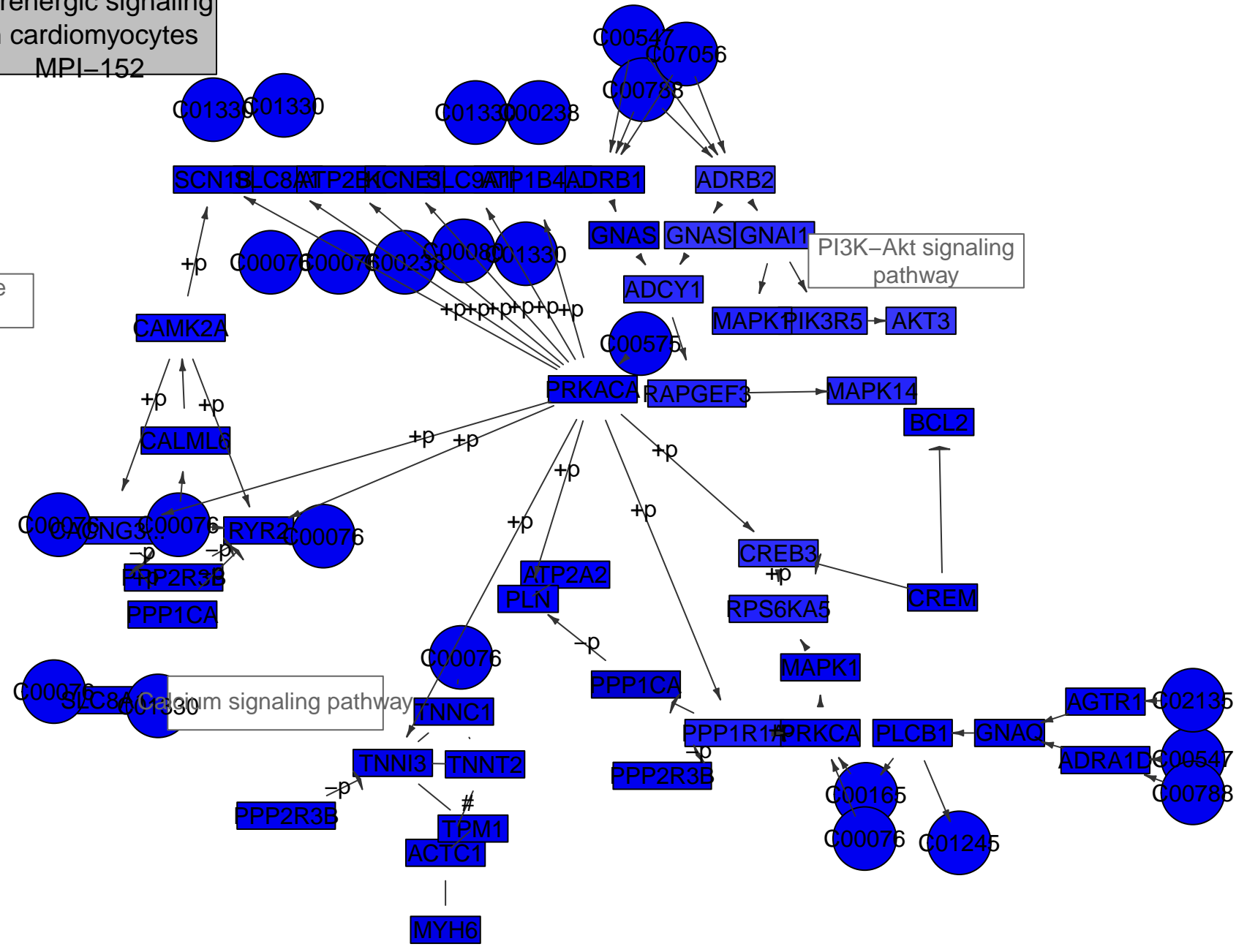
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-152

Cardiac muscle  
contraction



Calcium signaling pathway

PI3K-Akt signaling  
pathway

AGTR1 C02135

ADRA1D C00547

C00788

C00165

C00076

C01245

MYH6

ACTC1

TPM1

PPP2R3B

TNNI3

TNNT2

PPP2R3B

PPP1R1B

PRKCA

PLCB1

GNAQ

AGTR1

ADRA1D

MAPK1

RPS6KA5

CREB3

CREM

BCL2

MAPK14

RAPGEF3

PRKACA

C00575

MAPK

PIK3R5

AKT3

ADCY1

GNAS

GNAS

GNAI1

CAMK2A

CALML6

C00076

C00076

RYR2

C00076

PPP2R3B

PPP1CA

ATP2A2

PLN

C00076

TNNC1

C00076

SLC8A1

C01330

C01330

C01330

C01330

C000238

C00547

C07056

C00788

SCN1B

SLC8A1

ATP2B1

KCNE3

SLC9A1

ATP1B4

ADRB1

ADRB2

SCN1B

SLC8A1

ATP2B1

KCNE3

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ADRB1

ADRB2

SCN1B

SLC8A1

ATP2B1

KCNE3

SLC9A1

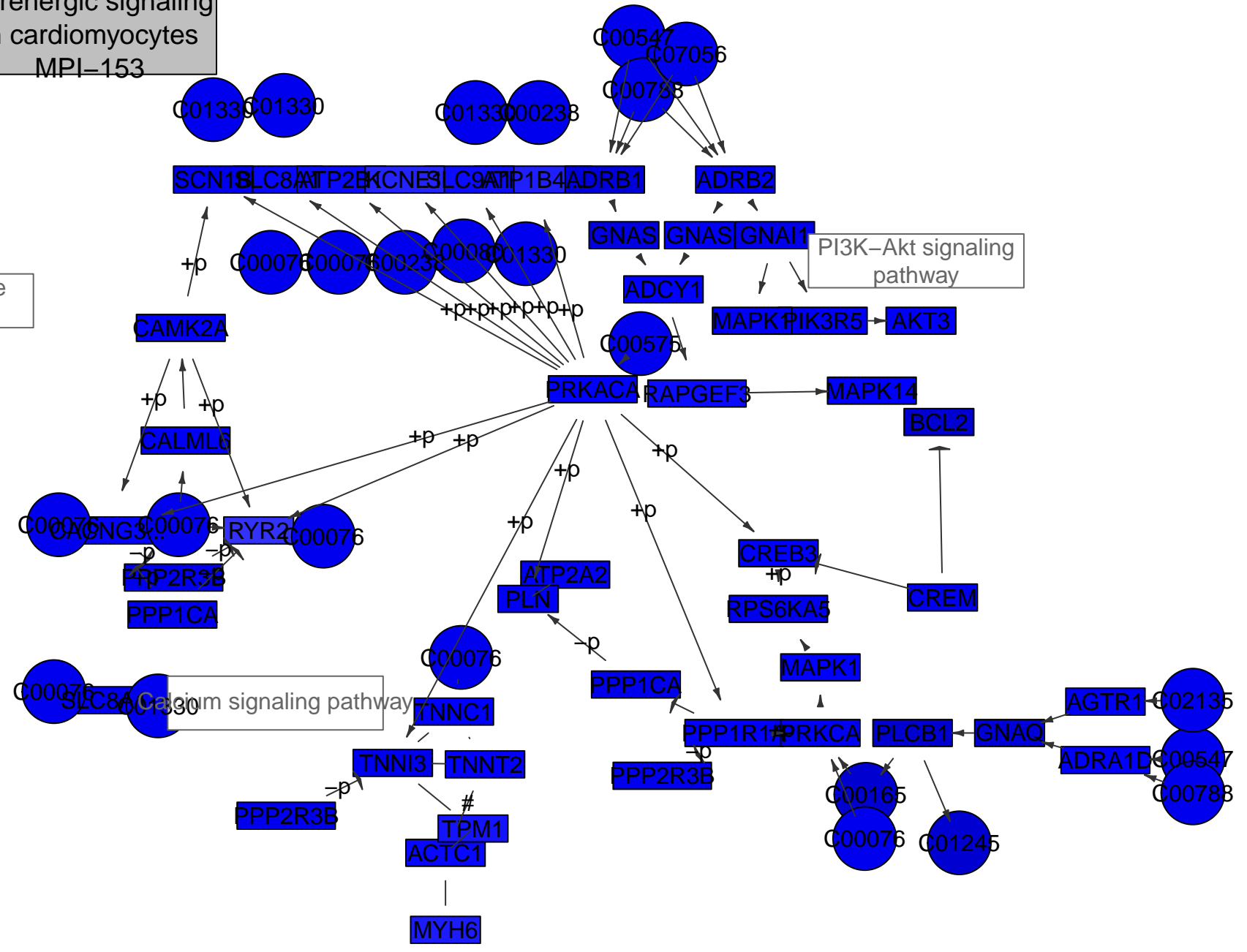
ATP1B4

ADRB1

ADRB2

Adrenergic signaling  
in cardiomyocytes  
MPI-153

Cardiac muscle  
contraction

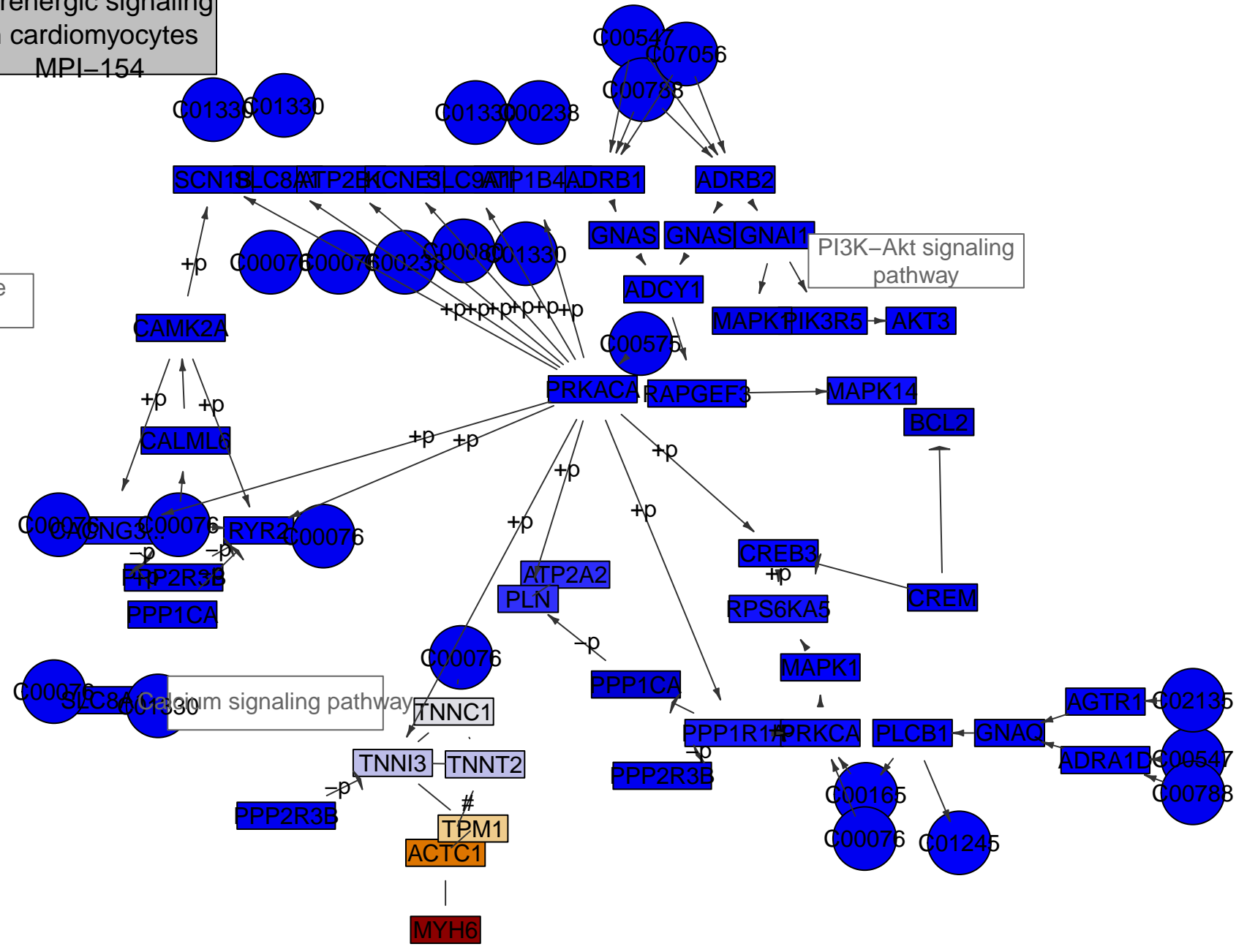


PI3K-Akt signaling  
pathway

Calcium signaling pathway

Adrenergic signaling  
in cardiomyocytes  
MPI-154

Cardiac muscle  
contraction

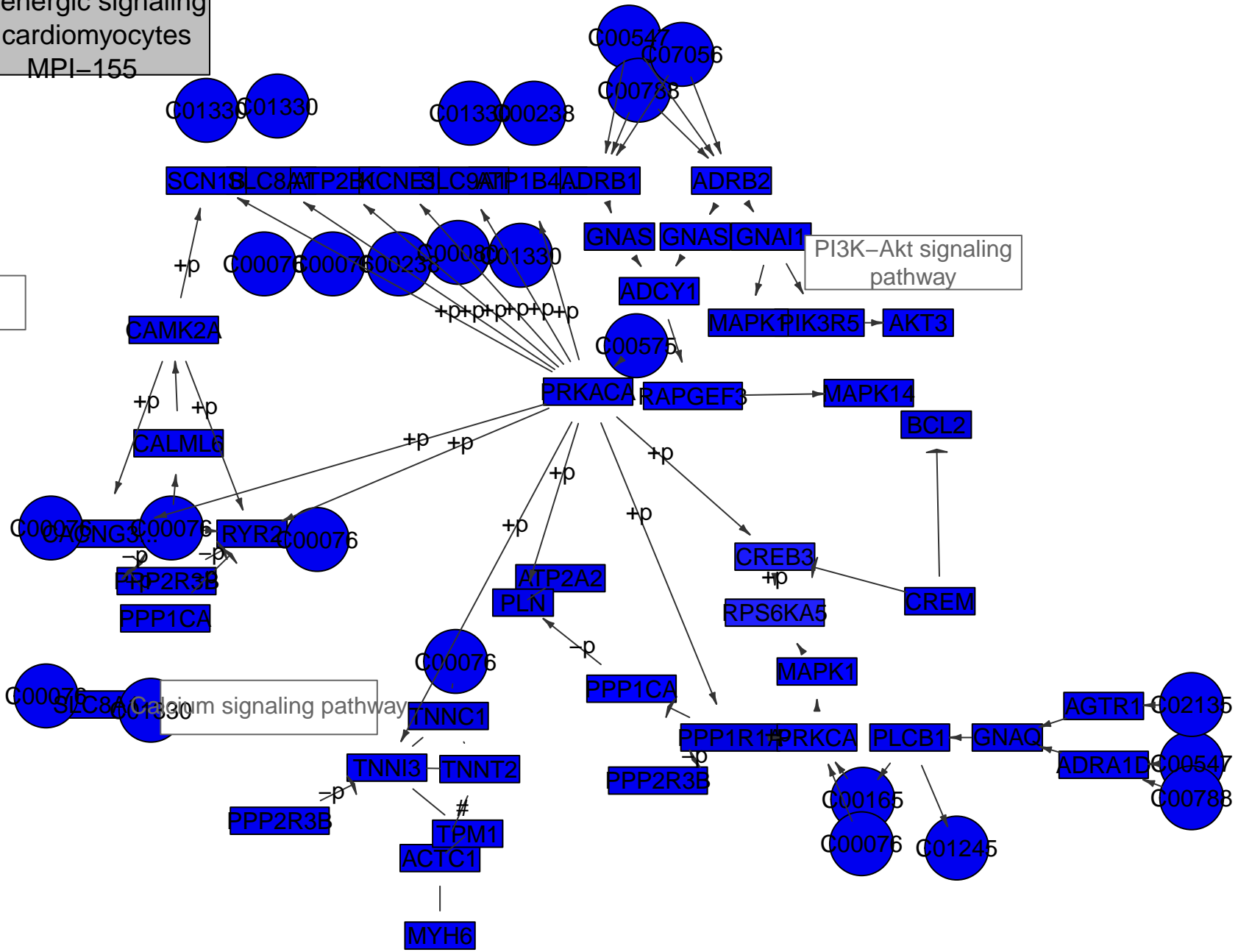


PI3K-Akt signaling  
pathway

Calcium signaling pathway

Adrenergic signaling  
in cardiomyocytes  
MPI-155

Cardiac muscle  
contraction



PI3K-Akt signaling  
pathway

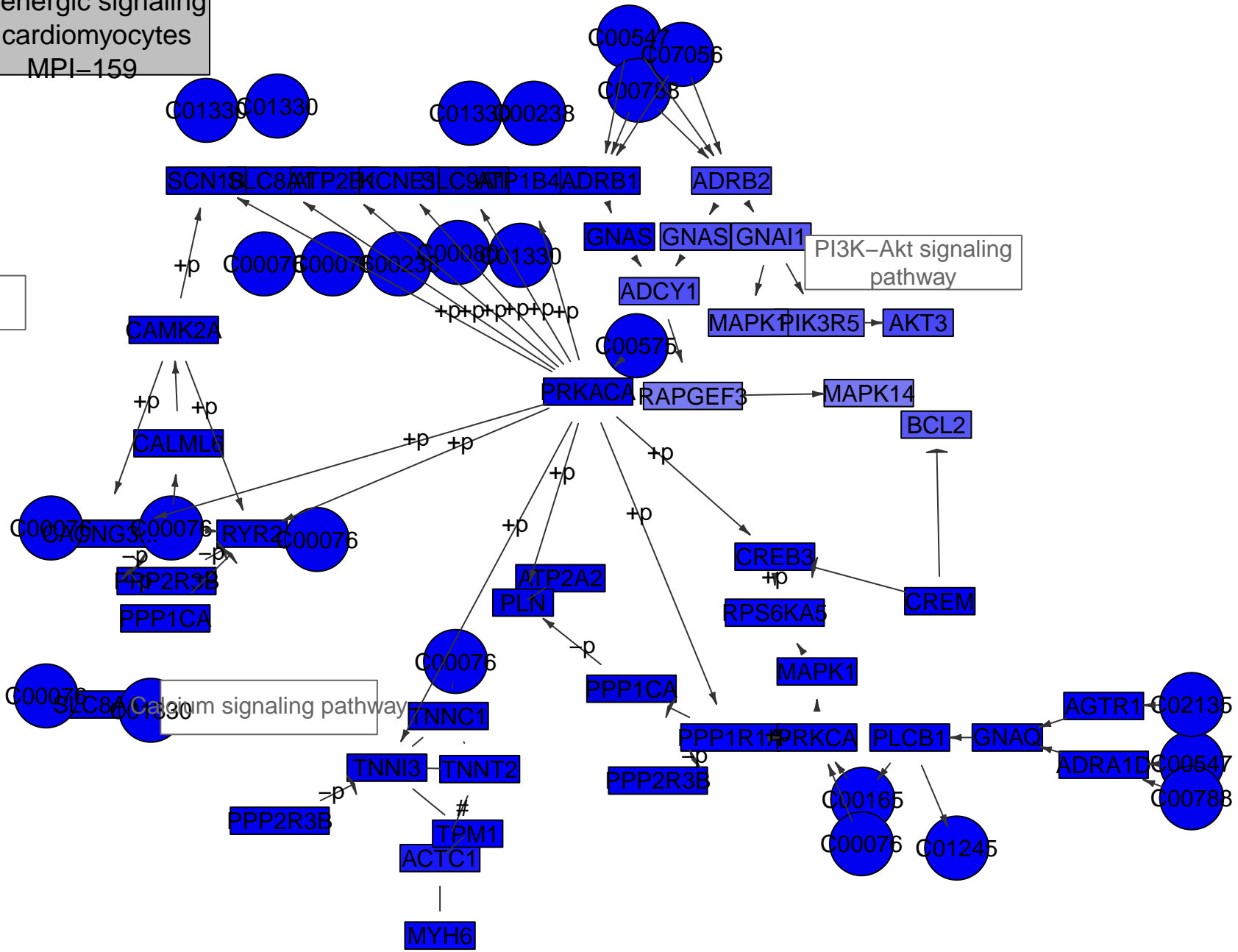
Calcium signaling pathway

Adrenergic signaling  
in cardiomyocytes  
MPI-159

Cardiac muscle  
contraction

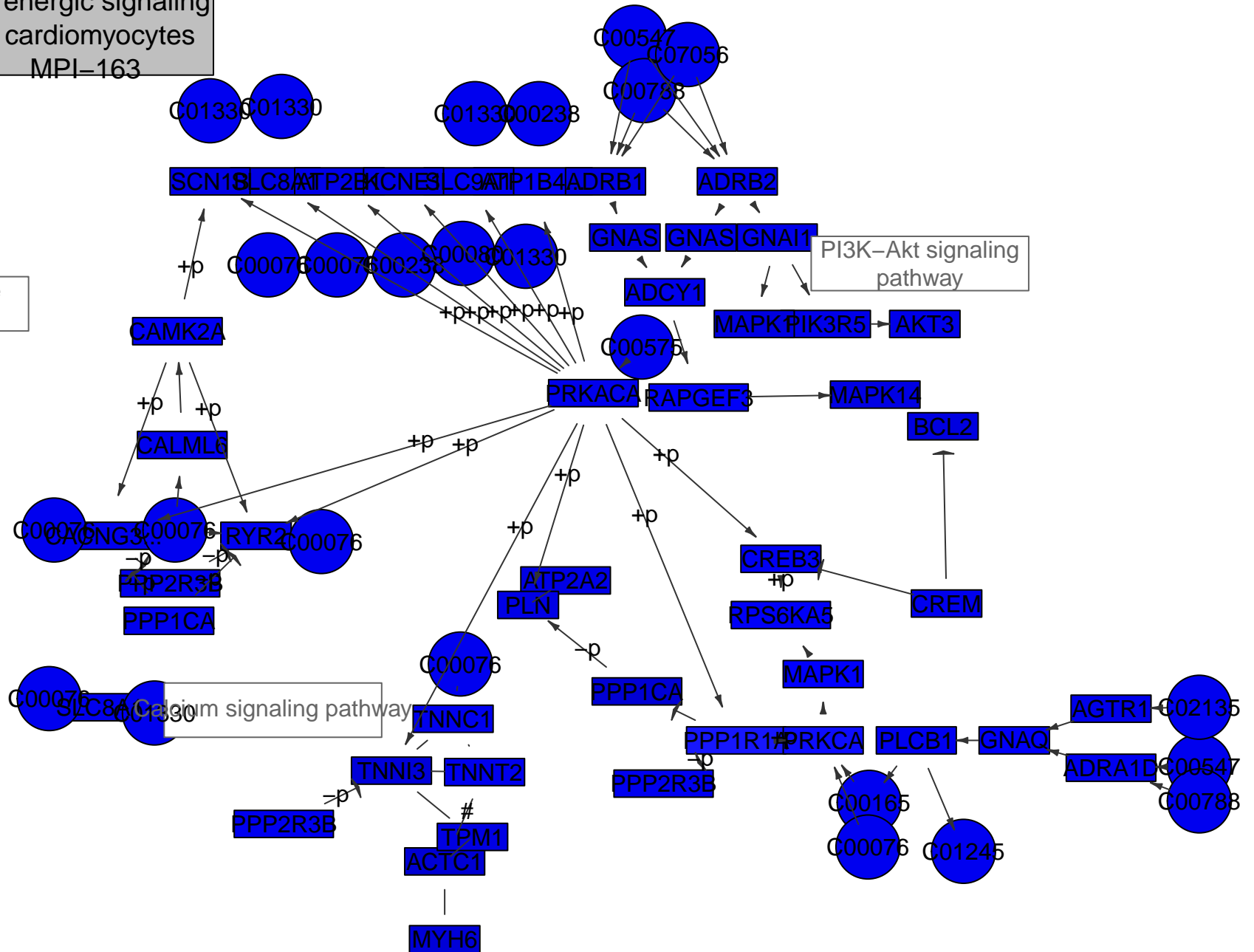
PI3K-Akt signaling  
pathway

Calcium signaling pathway



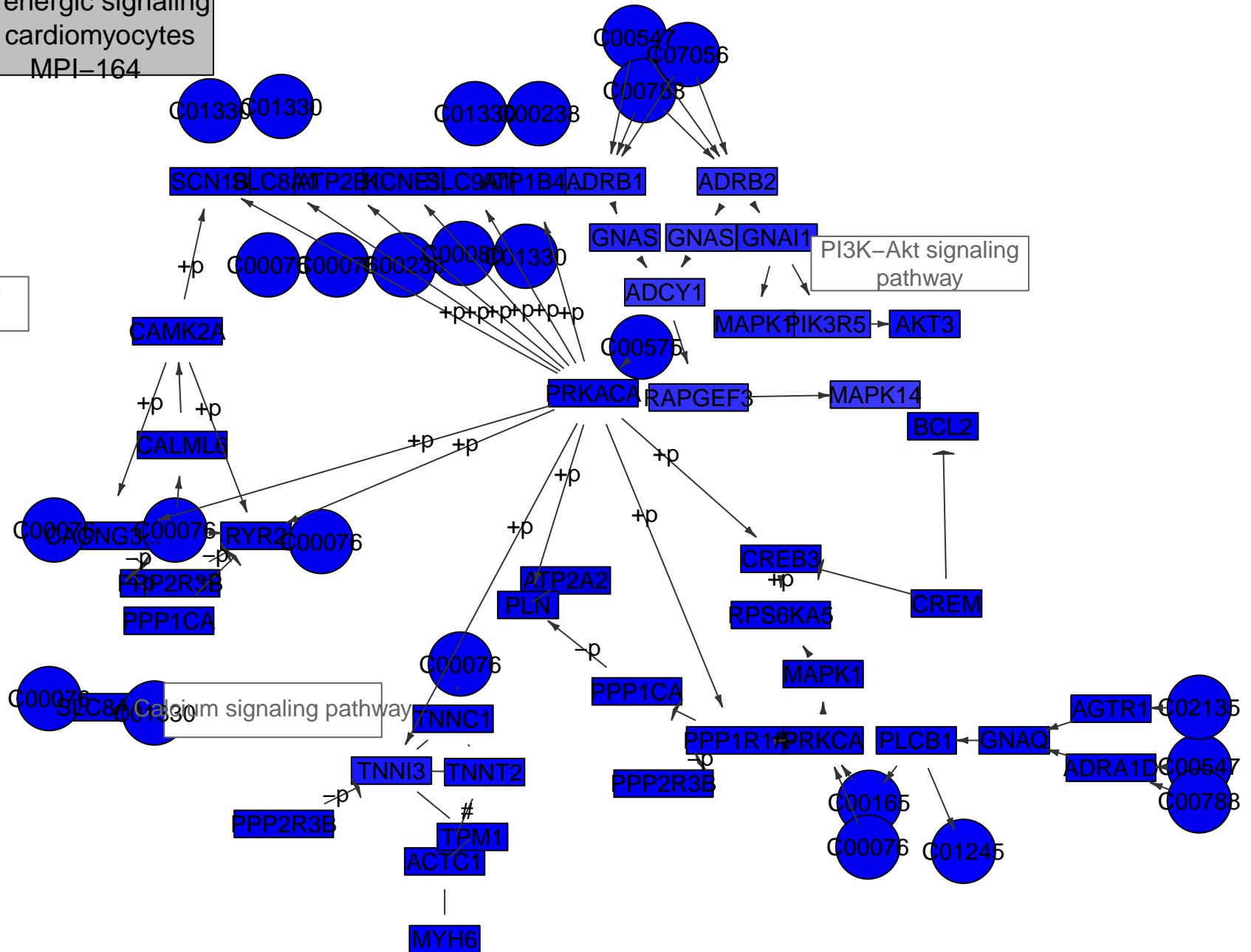
Adrenergic signaling  
in cardiomyocytes  
MPI-163

Cardiac muscle  
contraction



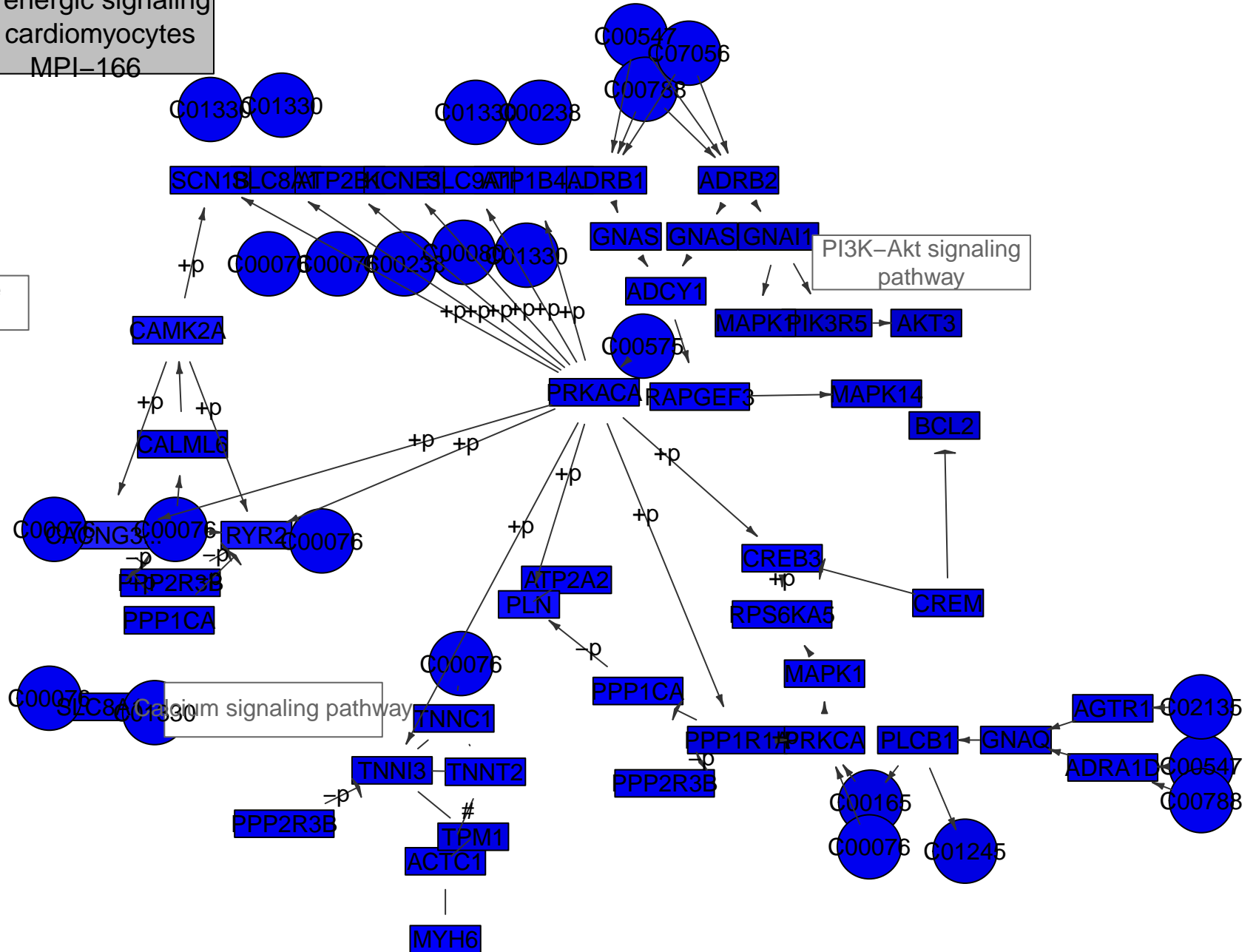
Adrenergic signaling  
in cardiomyocytes  
MPI-164

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-166

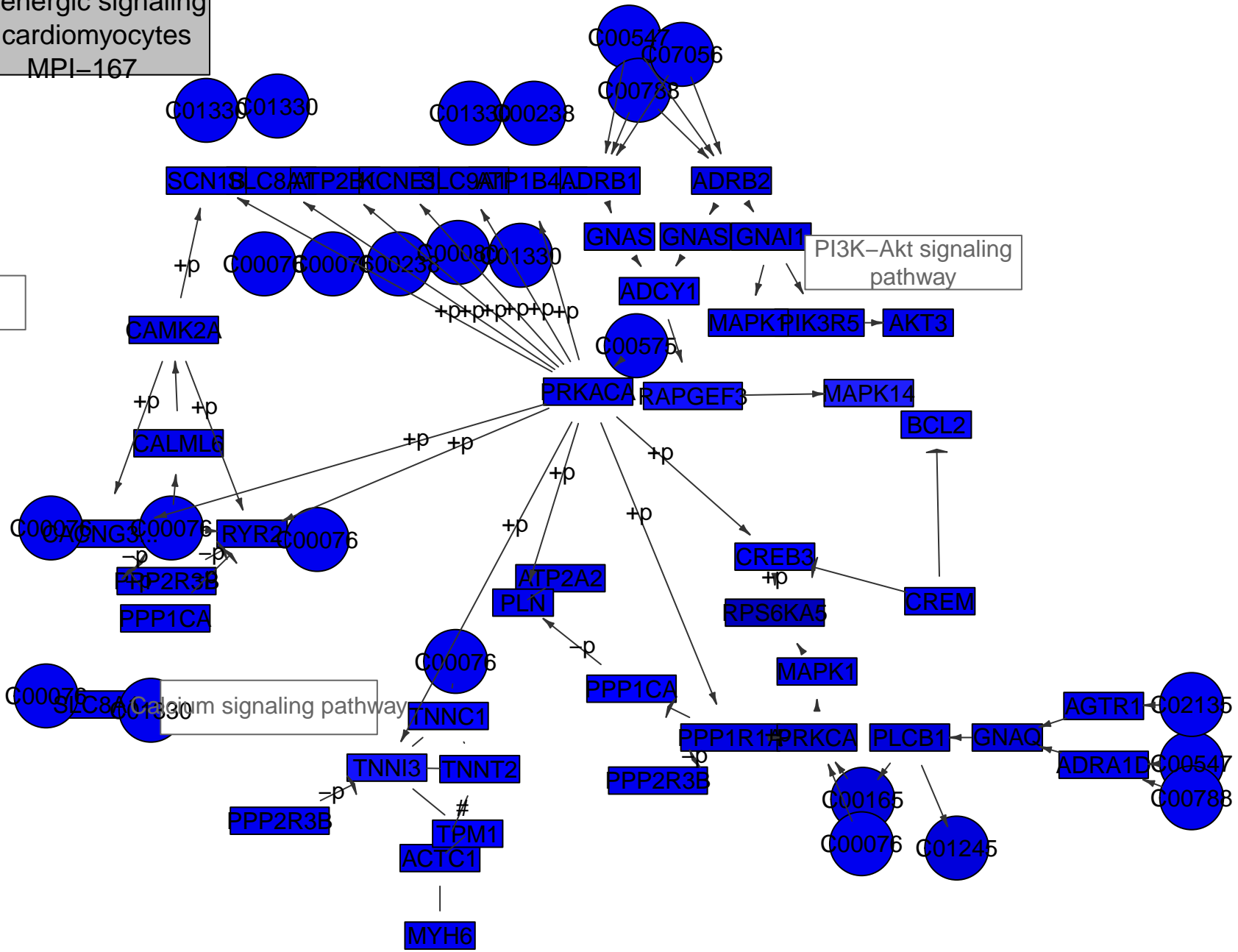
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-167

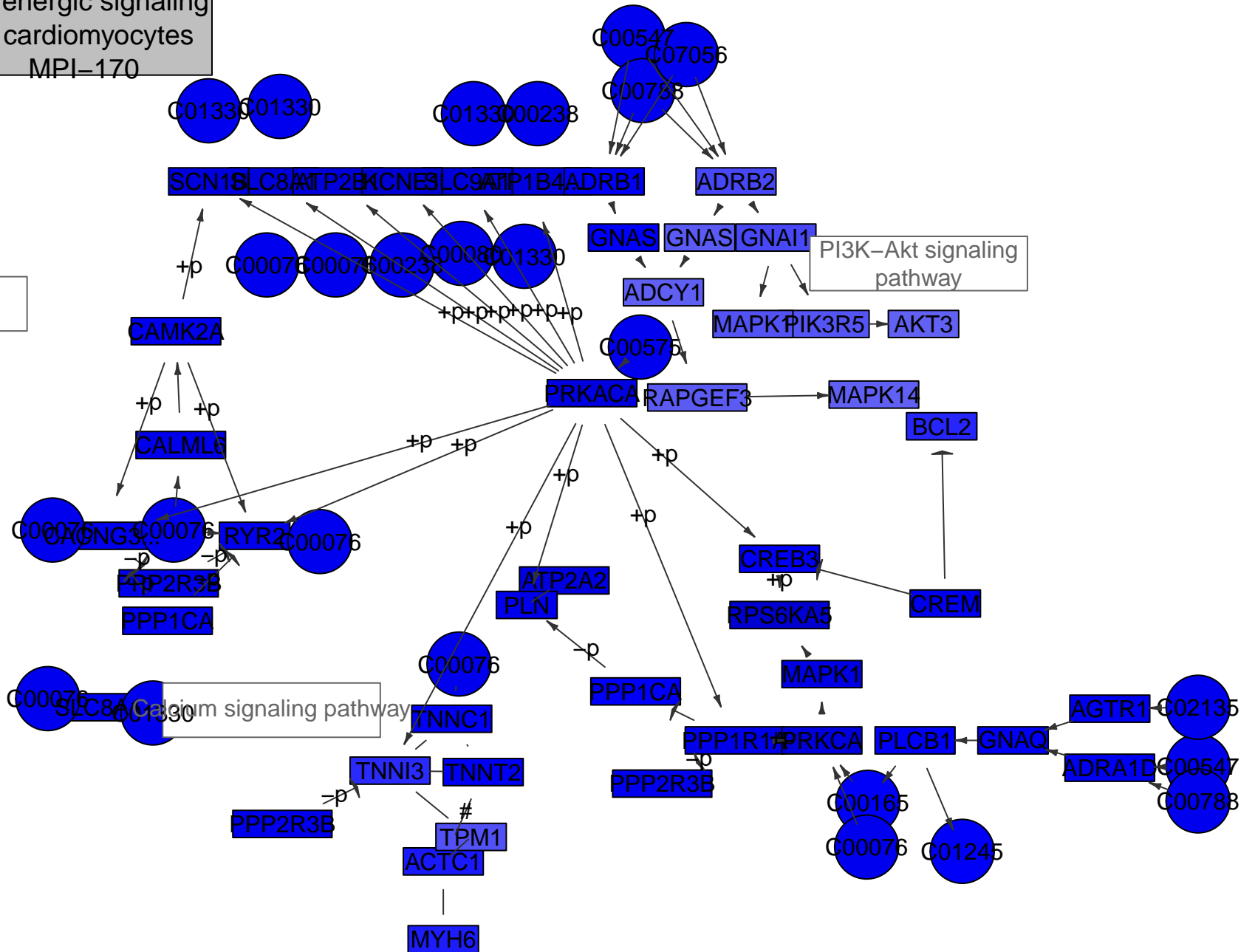
Cardiac muscle  
contraction





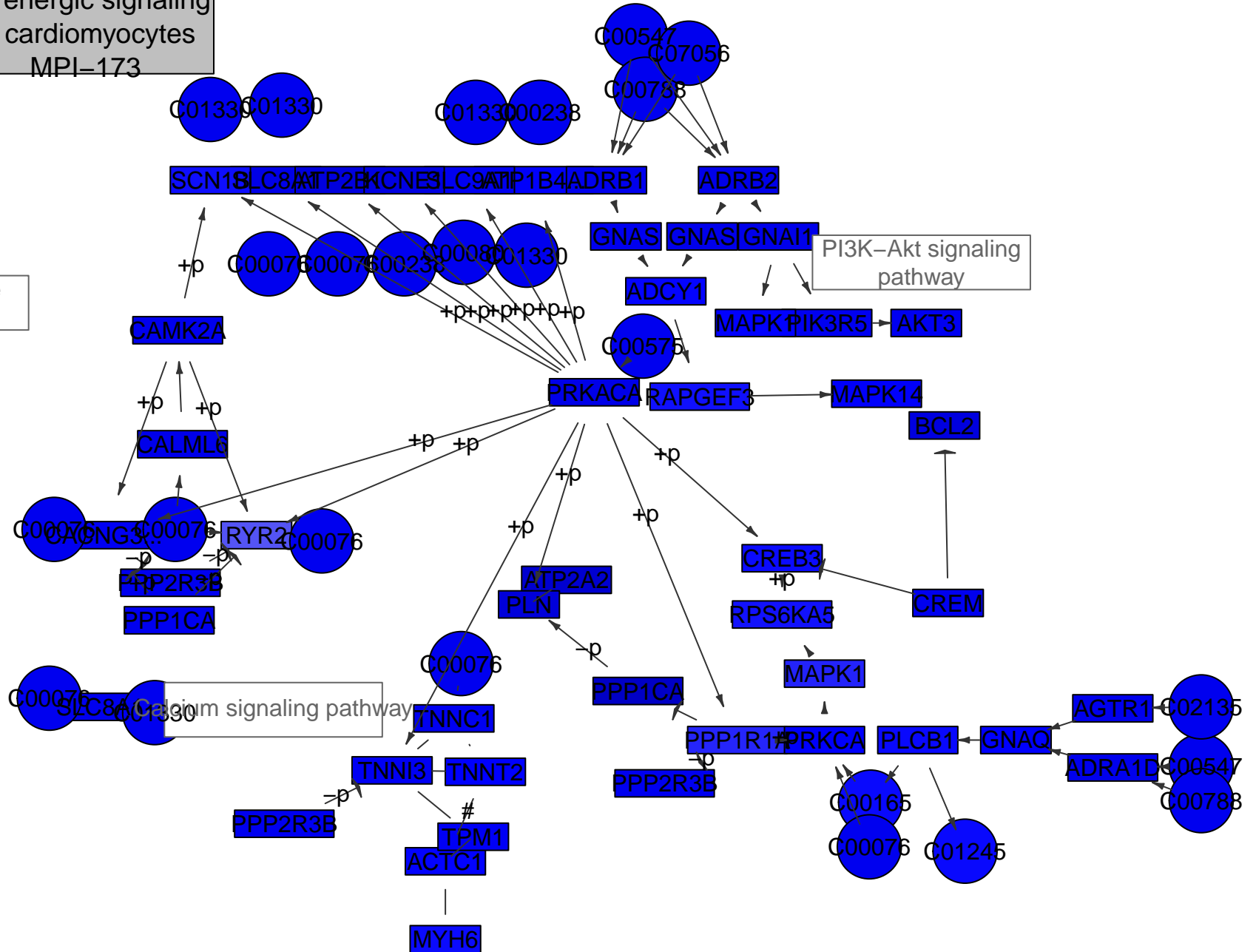
Adrenergic signaling  
in cardiomyocytes  
MPI-170

Cardiac muscle  
contraction



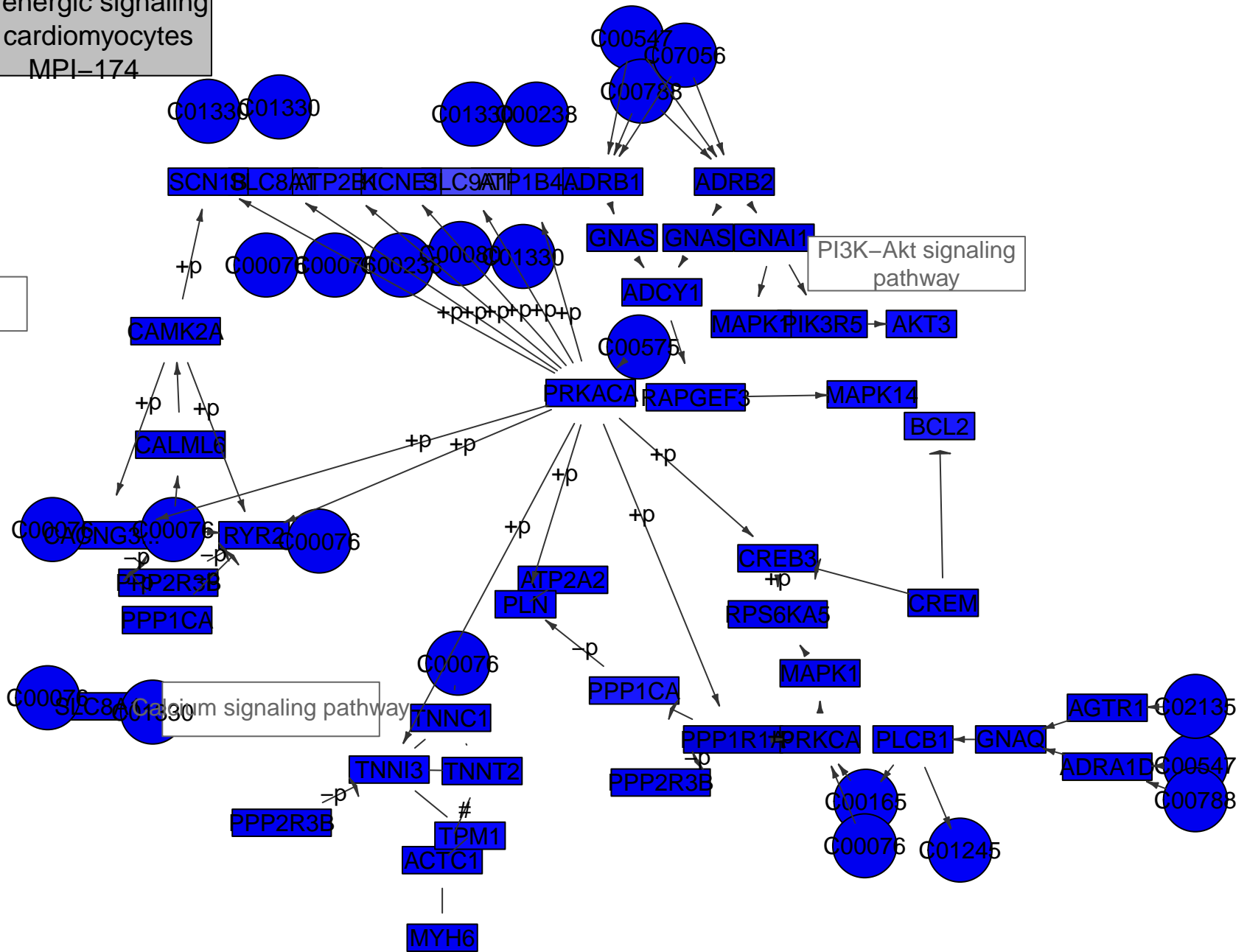
Adrenergic signaling  
in cardiomyocytes  
MPI-173

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-174

Cardiac muscle  
contraction

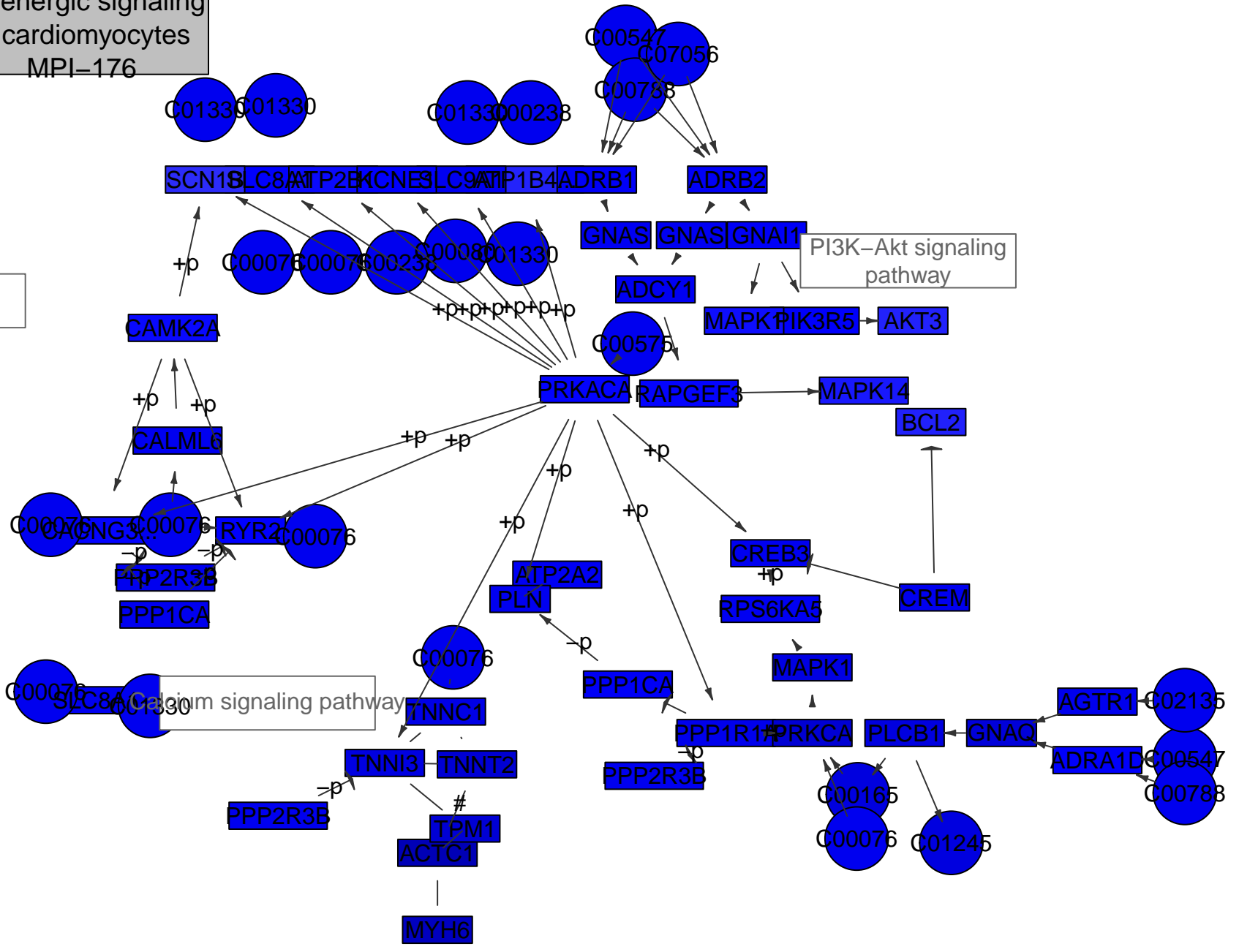


Adrenergic signaling  
in cardiomyocytes  
MPI-176

Cardiac muscle  
contraction

PI3K-Akt signaling  
pathway

Calcium signaling pathway

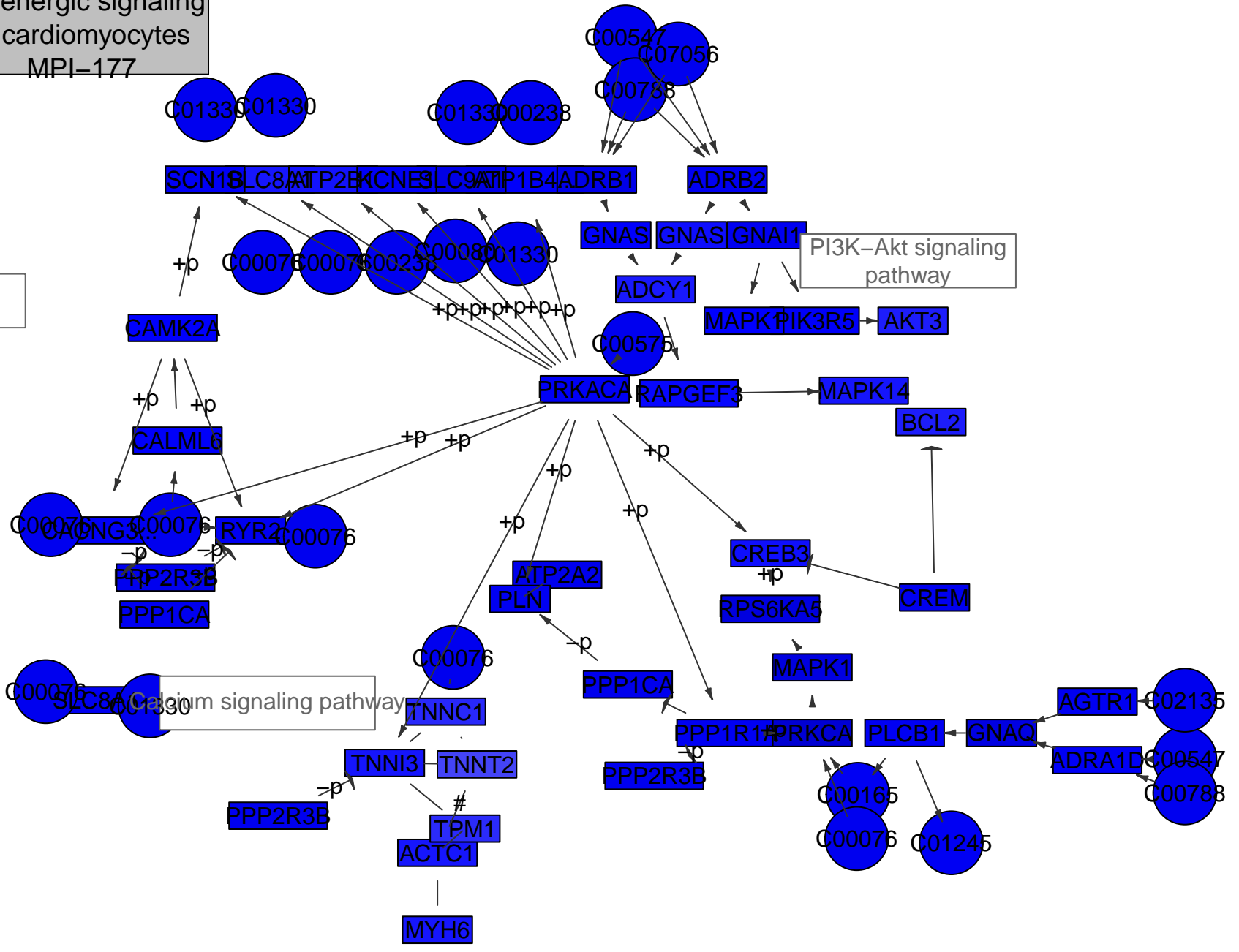


Adrenergic signaling  
in cardiomyocytes  
MPI-177

Cardiac muscle  
contraction

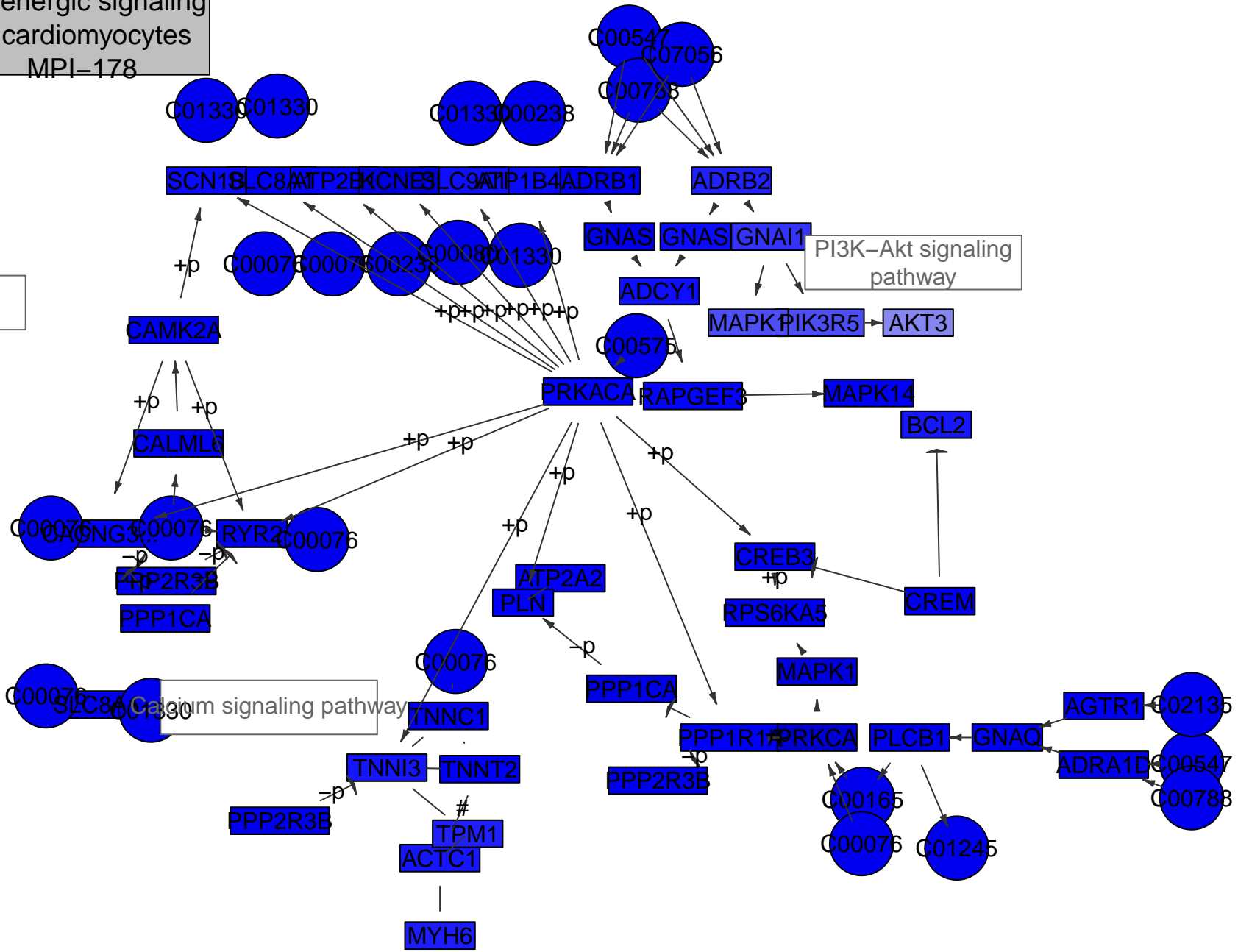
PI3K-Akt signaling  
pathway

Calcium signaling pathway



Adrenergic signaling  
in cardiomyocytes  
MPI-178

Cardiac muscle  
contraction



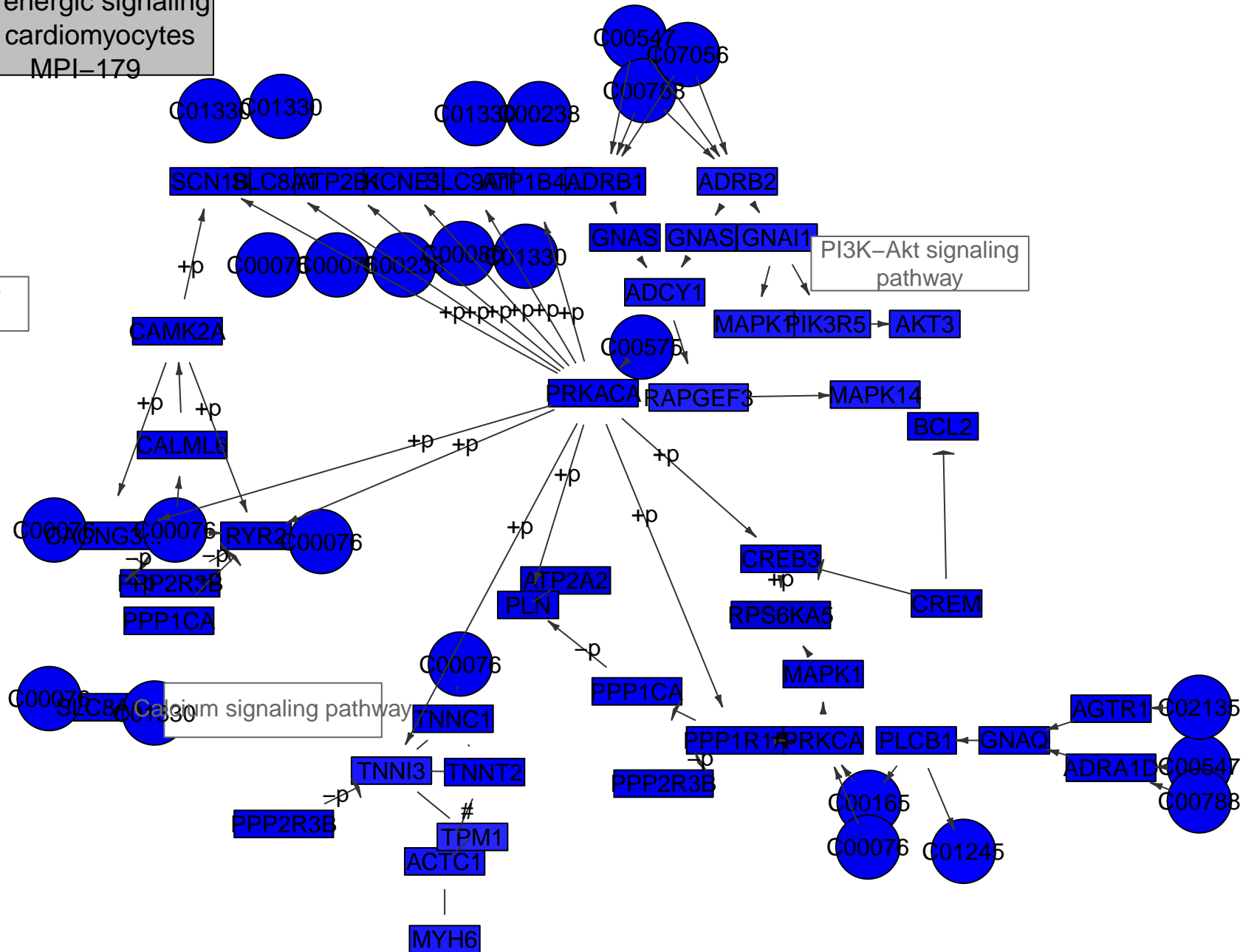
Calcium signaling pathway

PI3K-Akt signaling  
pathway



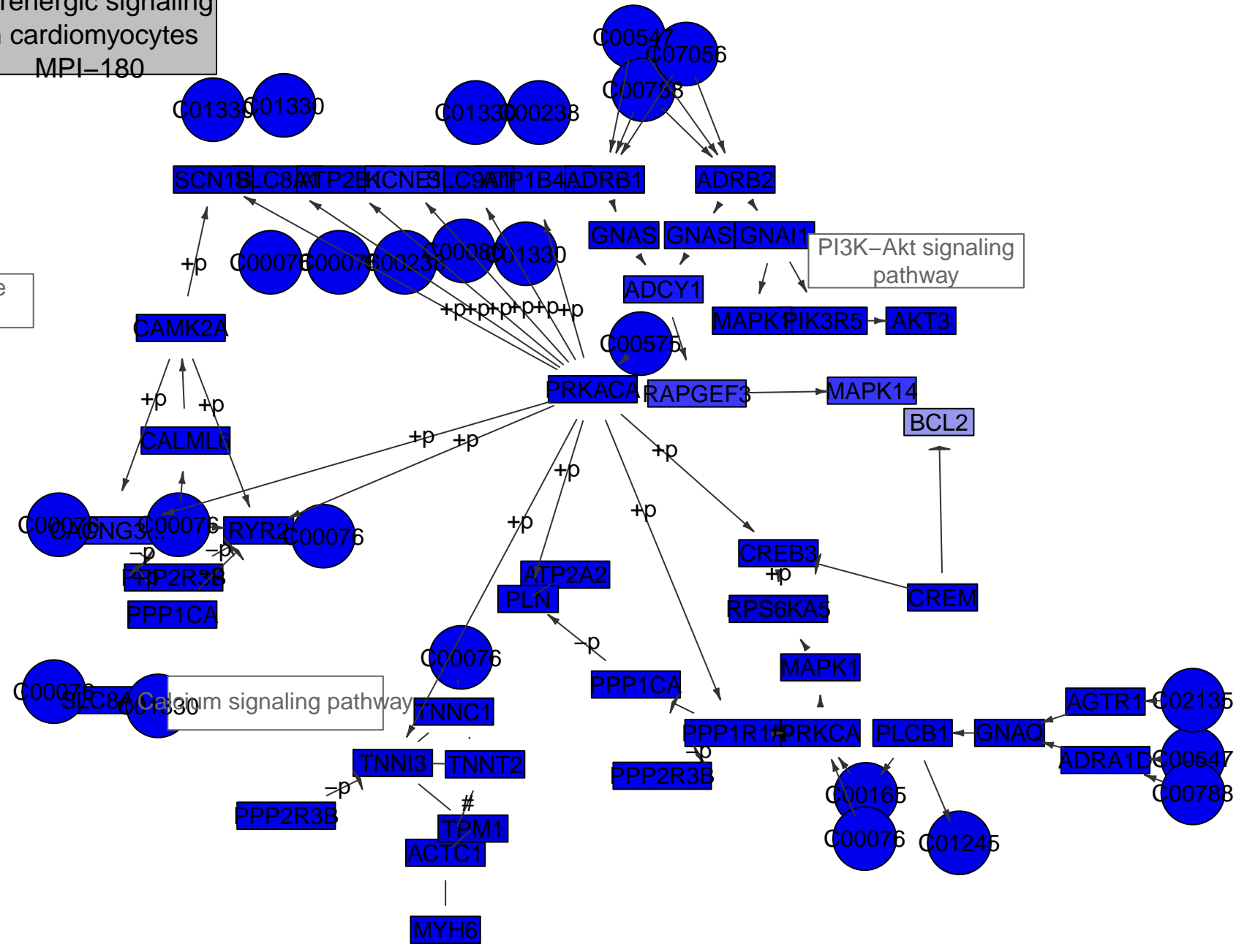
Adrenergic signaling  
in cardiomyocytes  
MPI-179

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-180

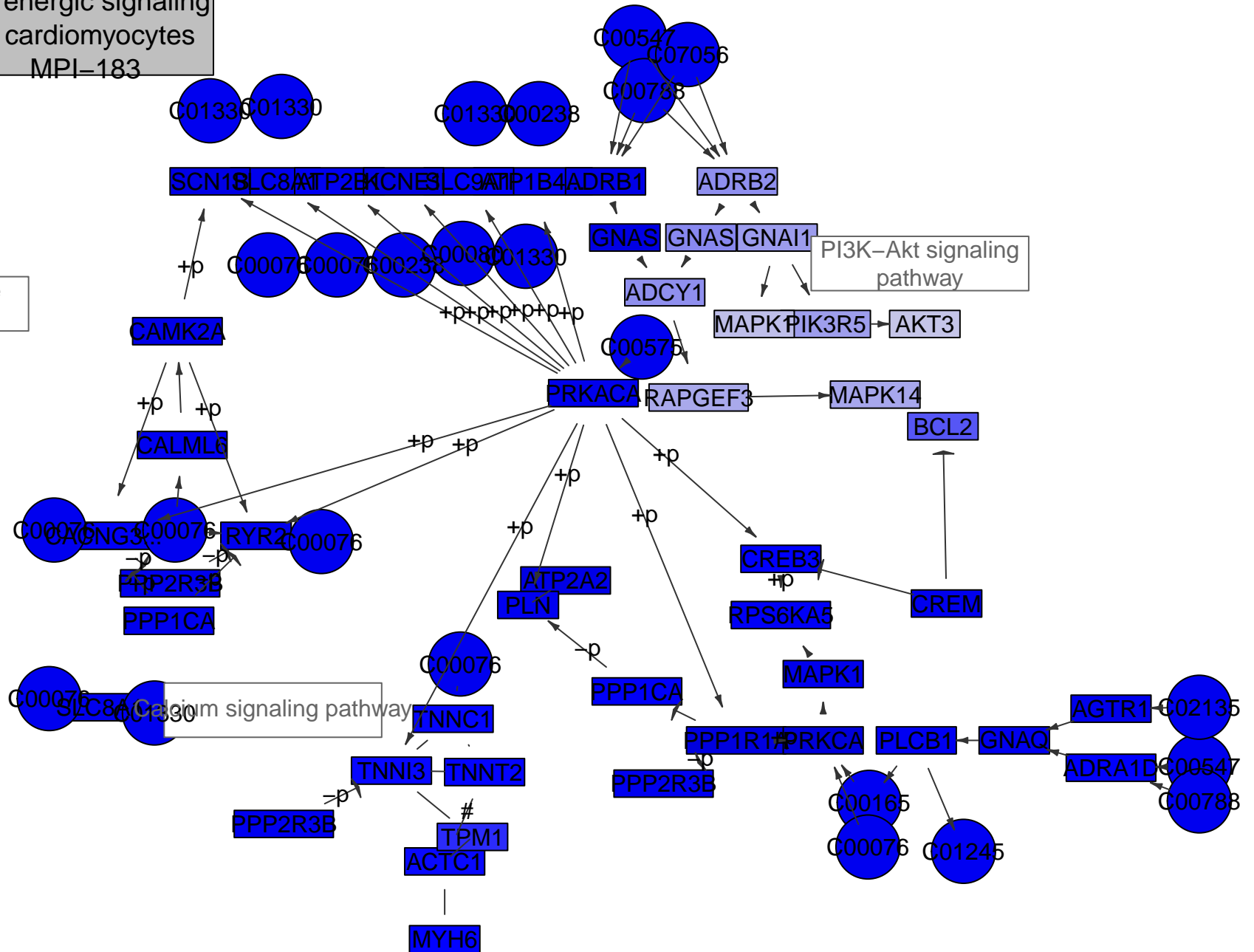
Cardiac muscle  
contraction





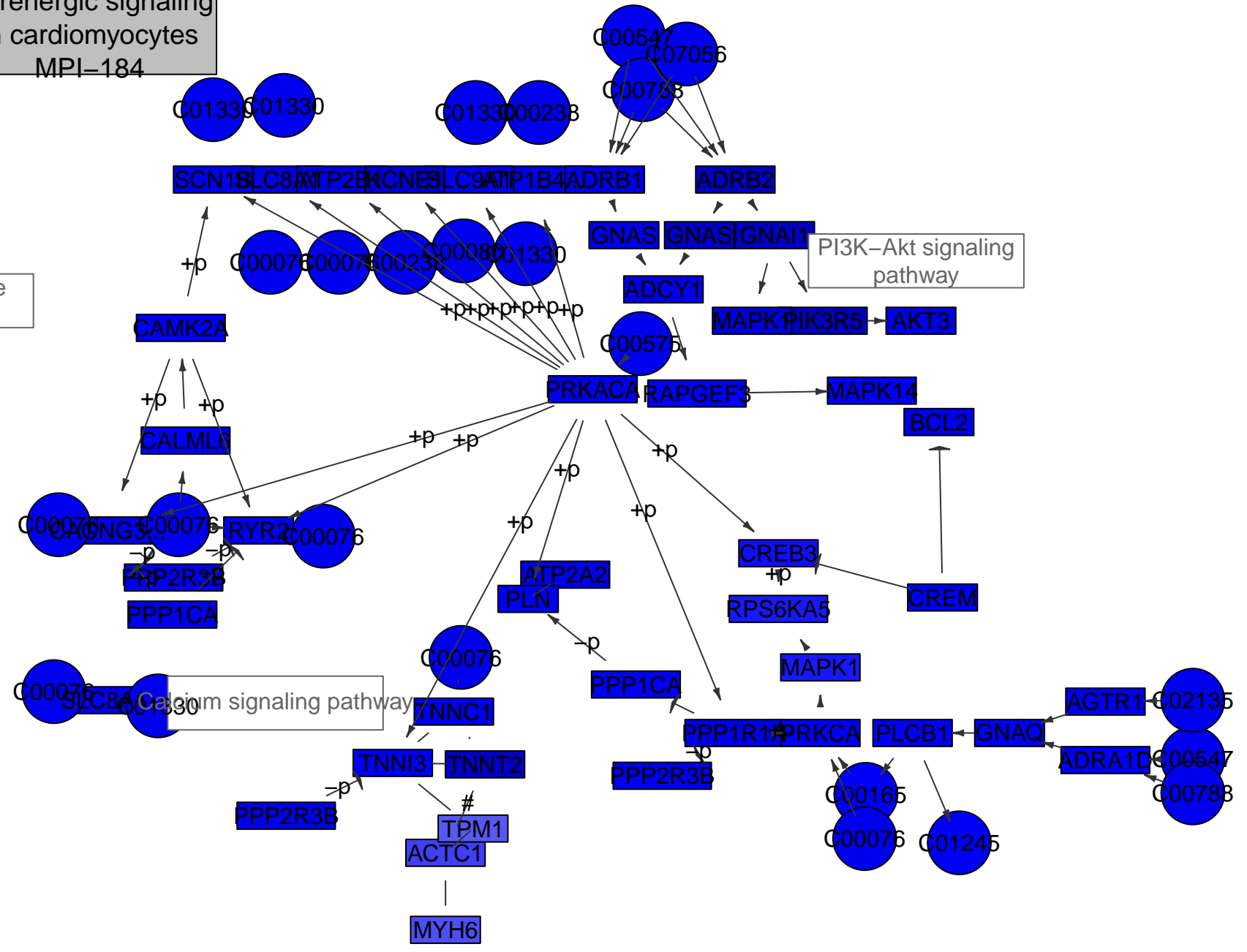
Adrenergic signaling  
in cardiomyocytes  
MPI-183

Cardiac muscle  
contraction



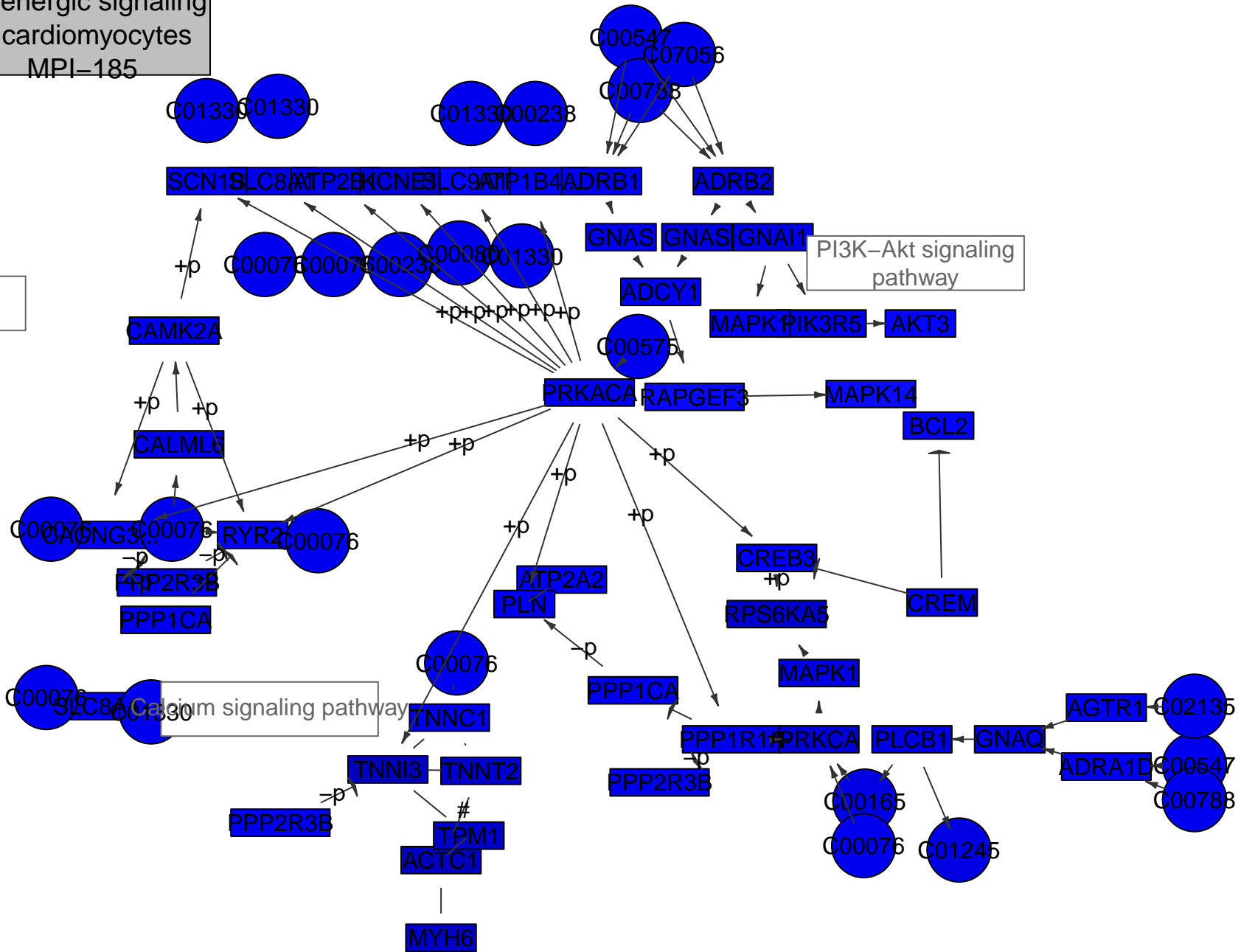
Adrenergic signaling  
in cardiomyocytes  
MPI-184

Cardiac muscle  
contraction



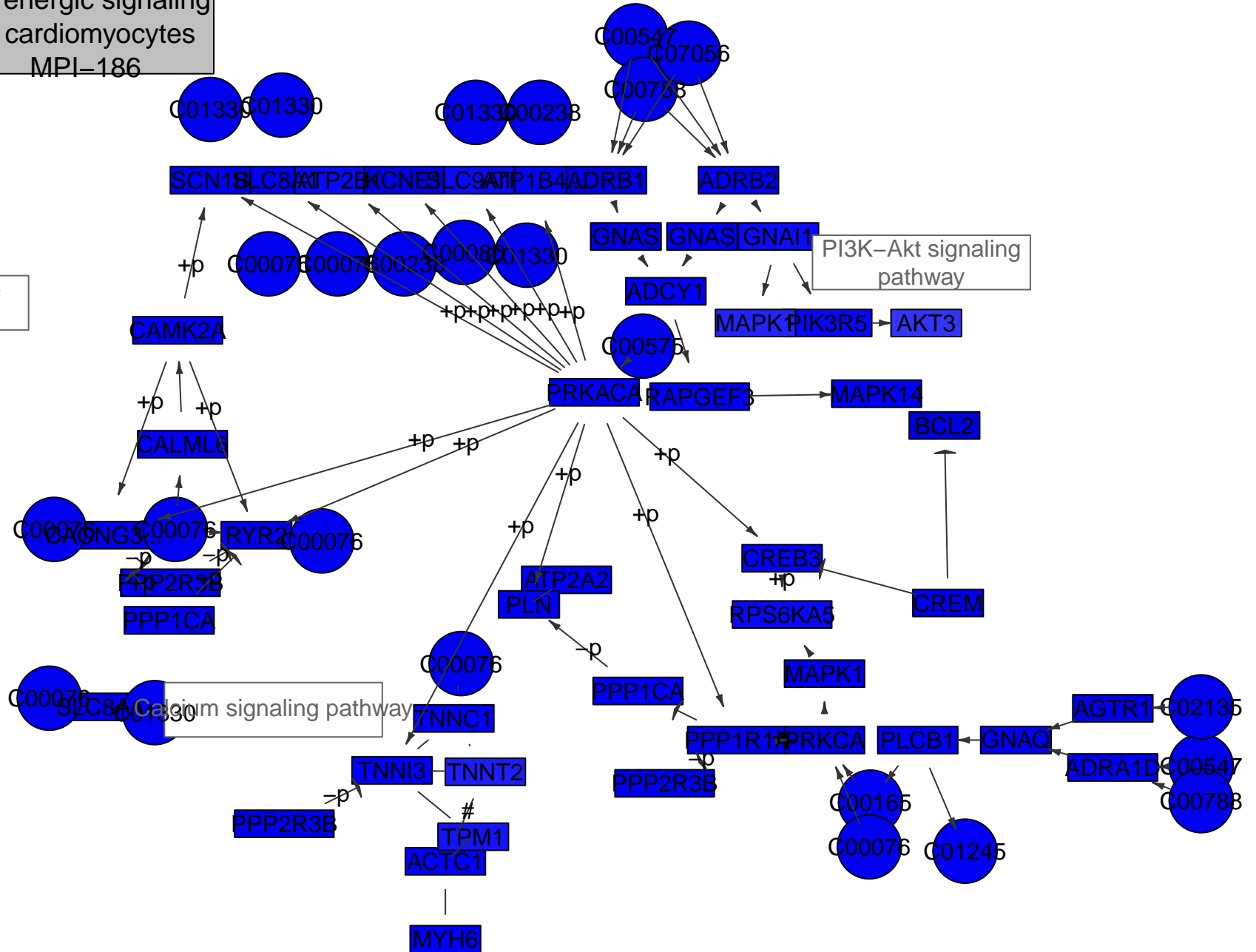
Adrenergic signaling  
in cardiomyocytes  
MPI-185

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-186

Cardiac muscle  
contraction



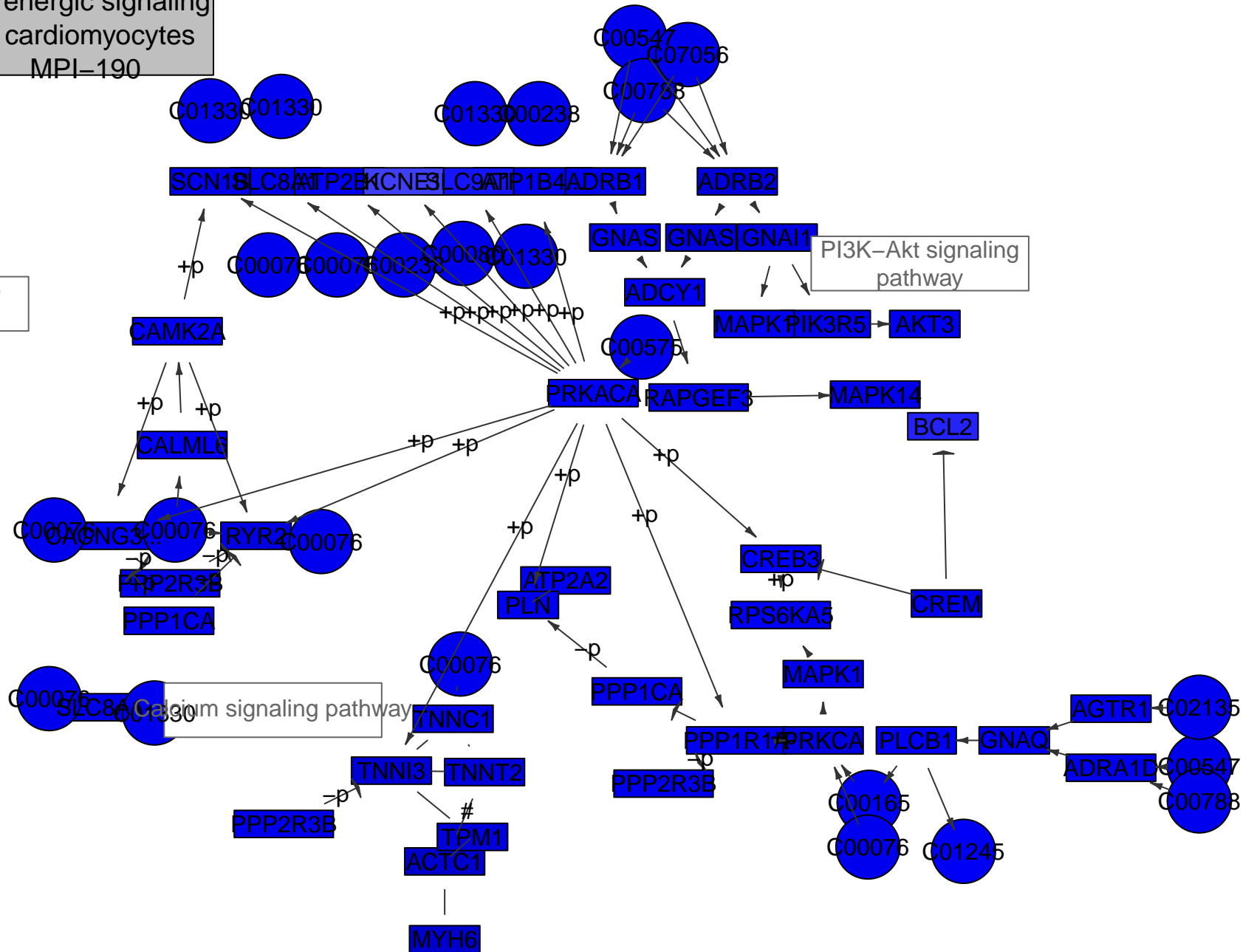






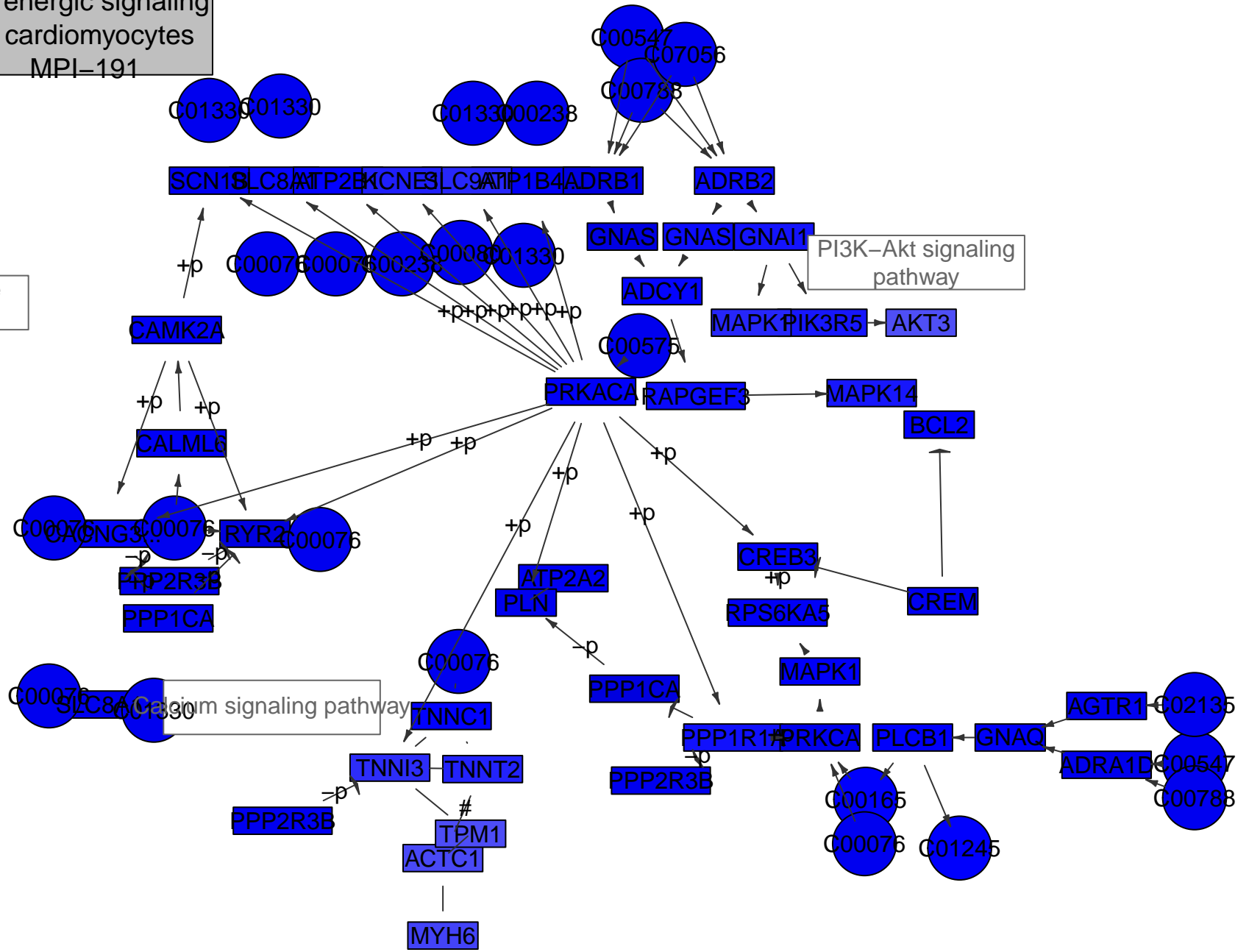
Adrenergic signaling  
in cardiomyocytes  
MPI-190

Cardiac muscle  
contraction



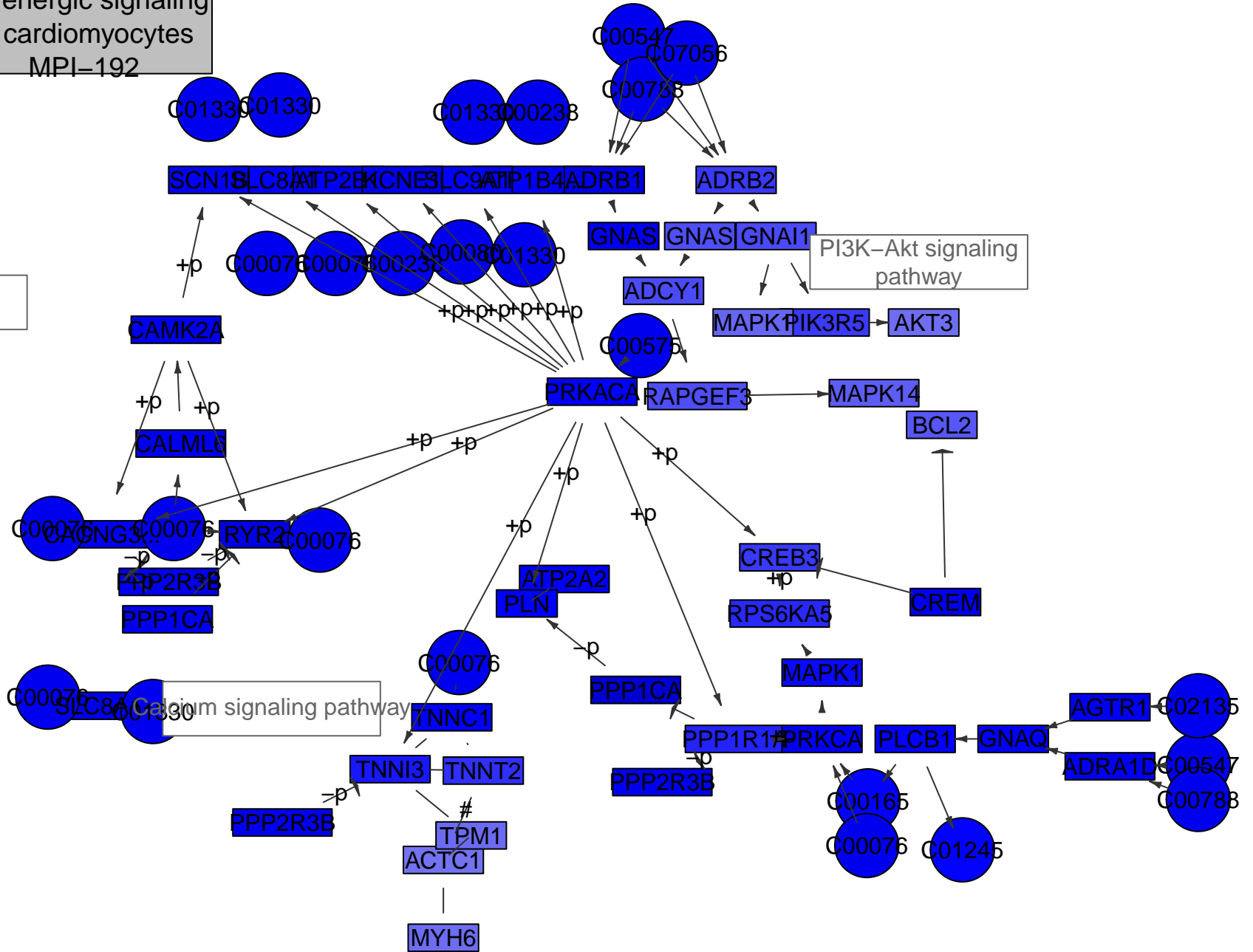
Adrenergic signaling  
in cardiomyocytes  
MPI-191

Cardiac muscle  
contraction



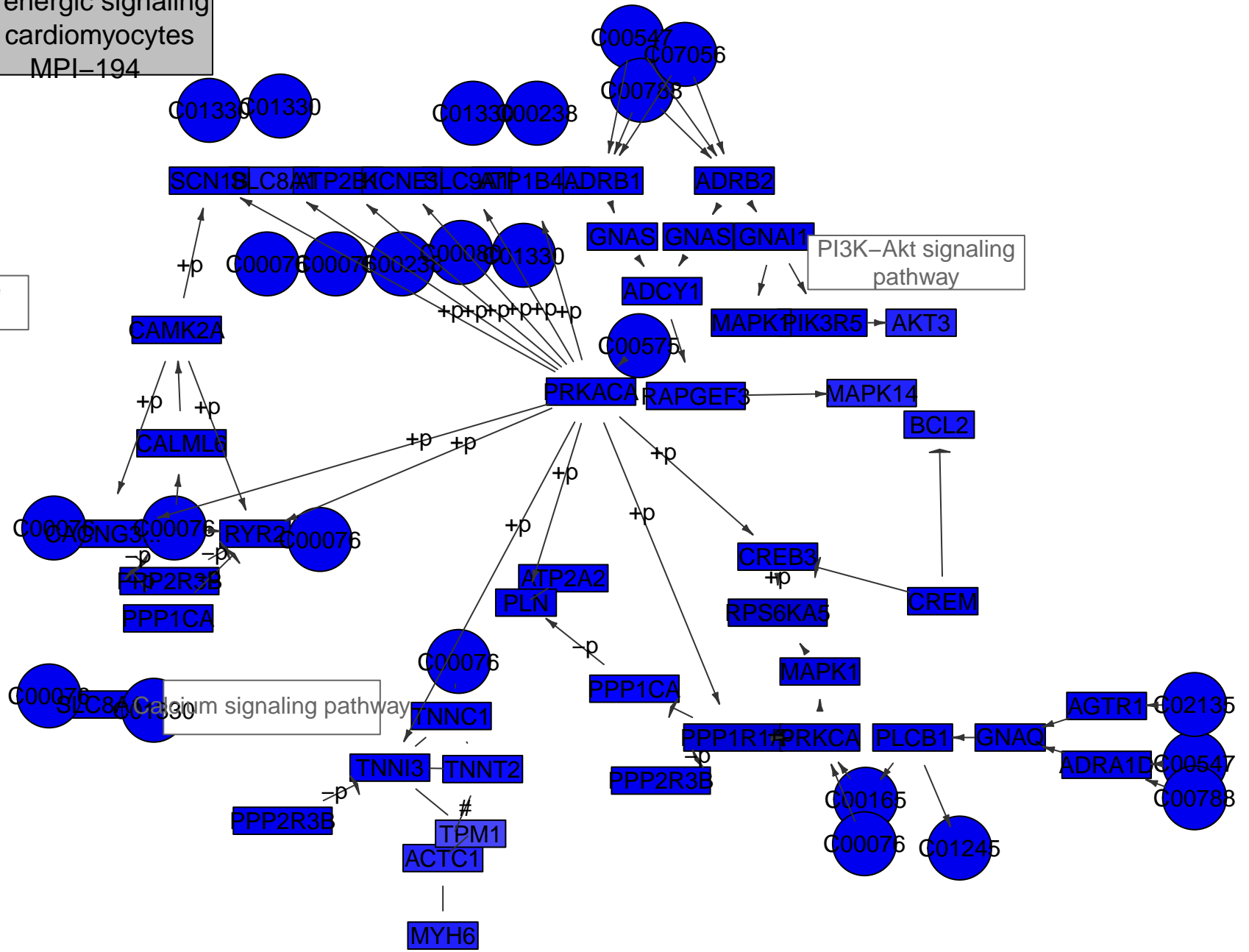
Adrenergic signaling  
in cardiomyocytes  
MPI-192

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-194

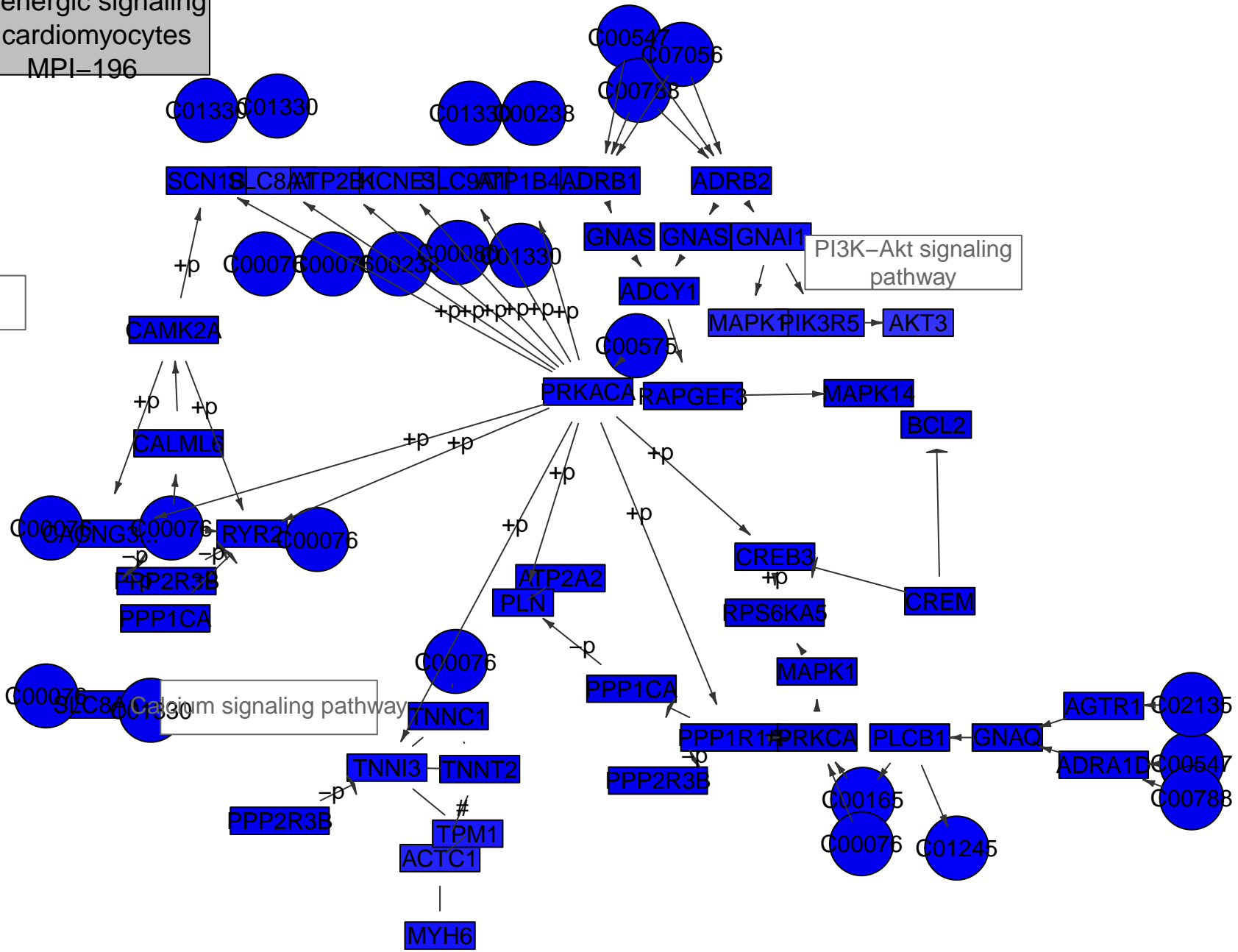
Cardiac muscle  
contraction





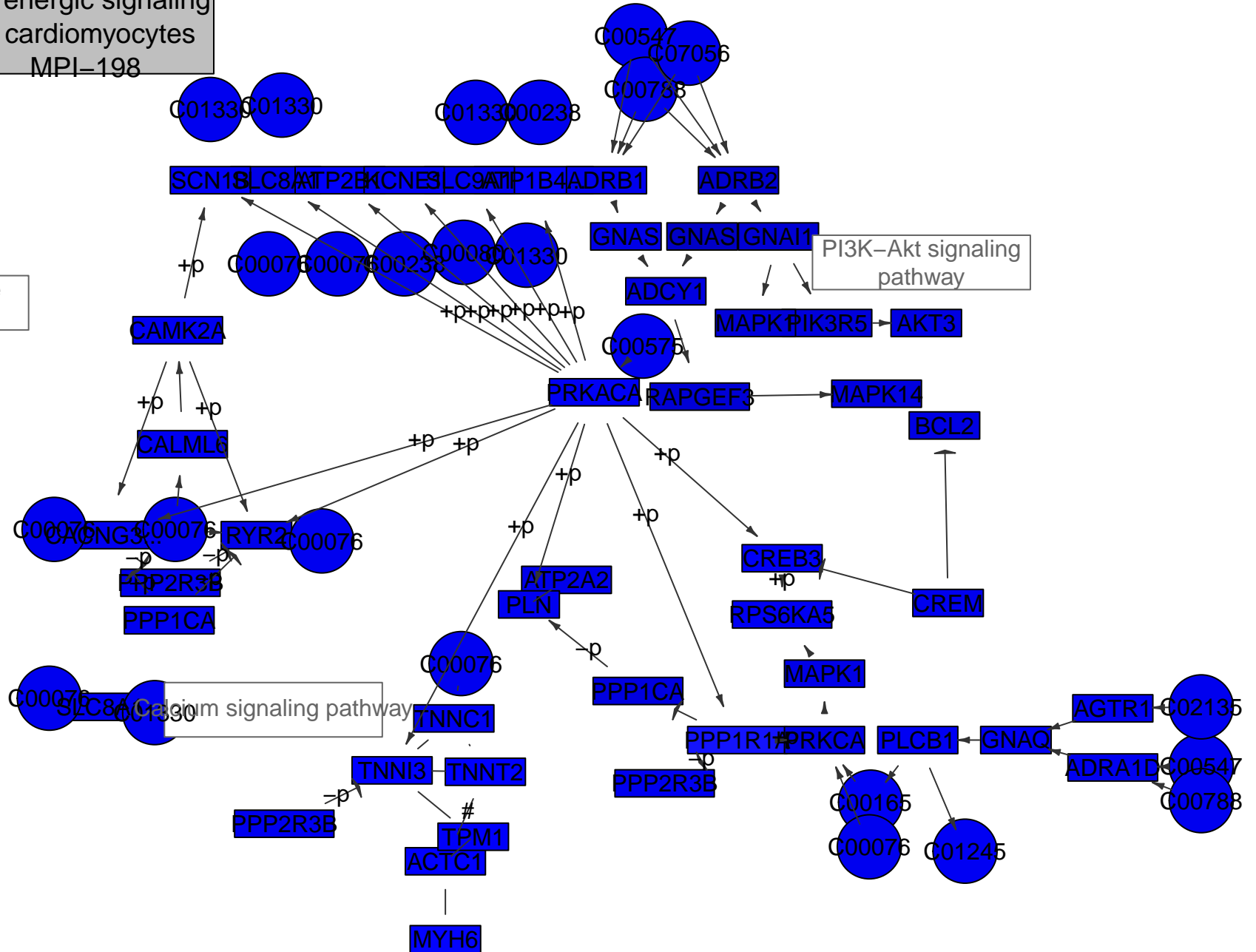
Adrenergic signaling  
in cardiomyocytes  
MPI-196

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-198

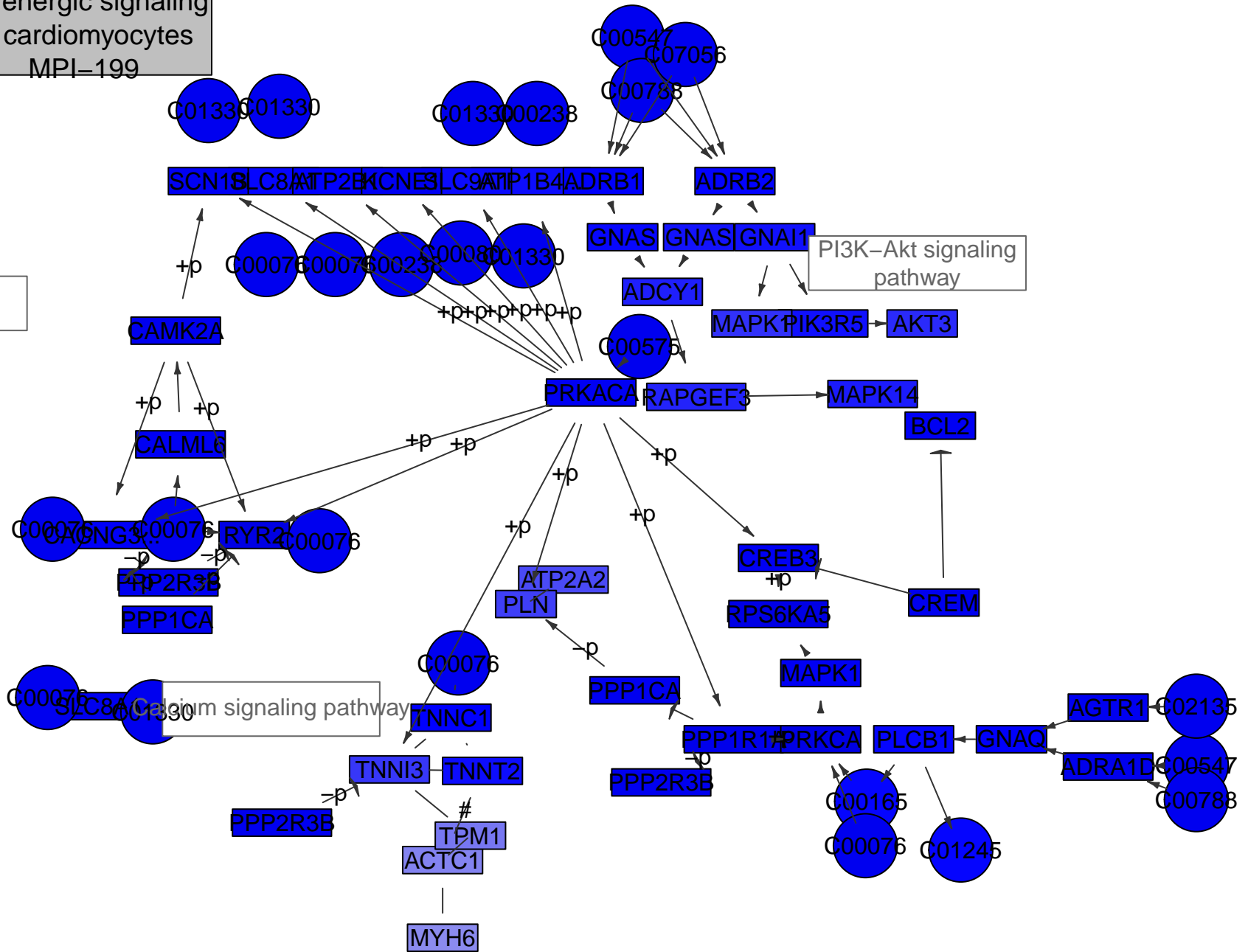
Cardiac muscle  
contraction





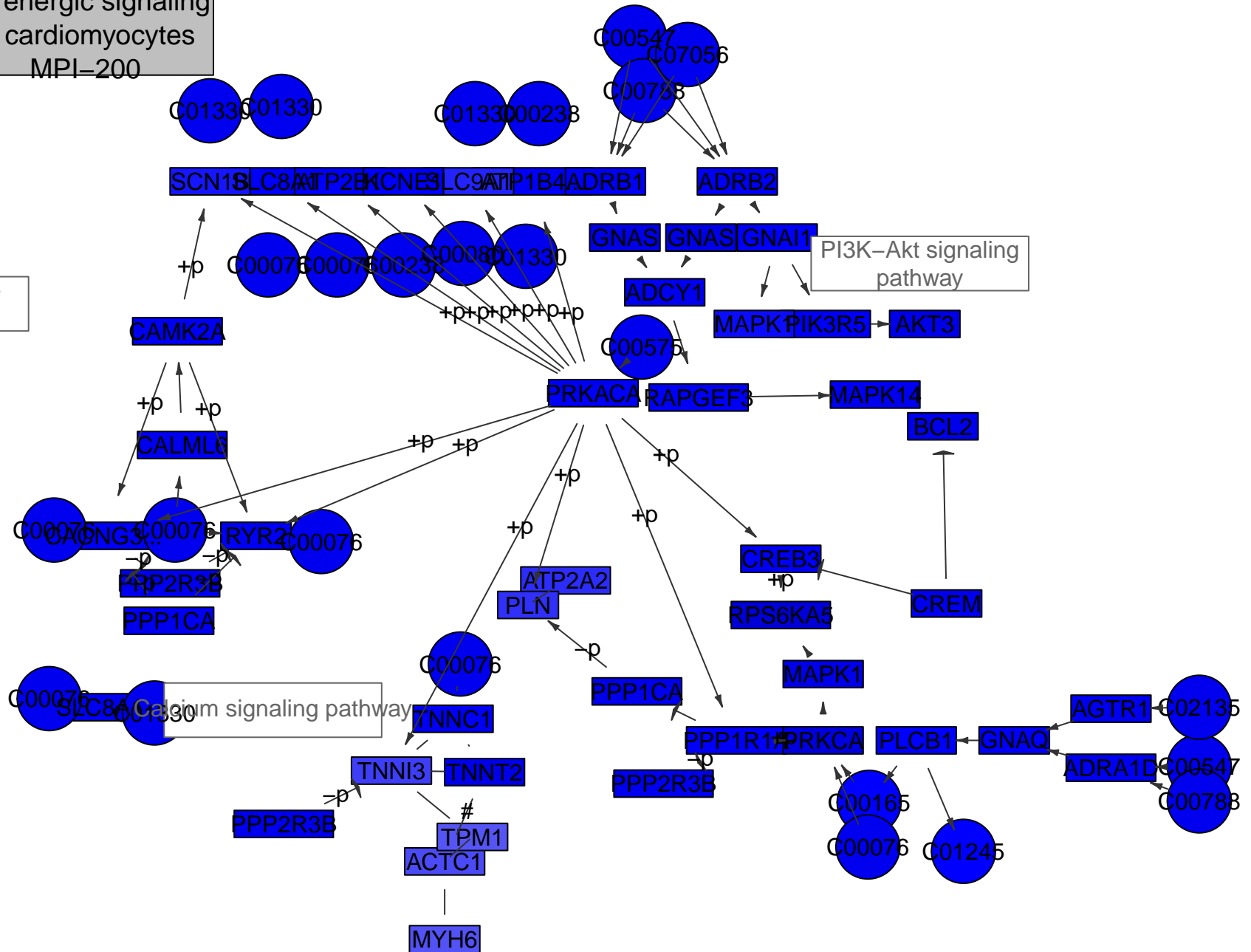
Adrenergic signaling  
in cardiomyocytes  
MPI-199

Cardiac muscle  
contraction



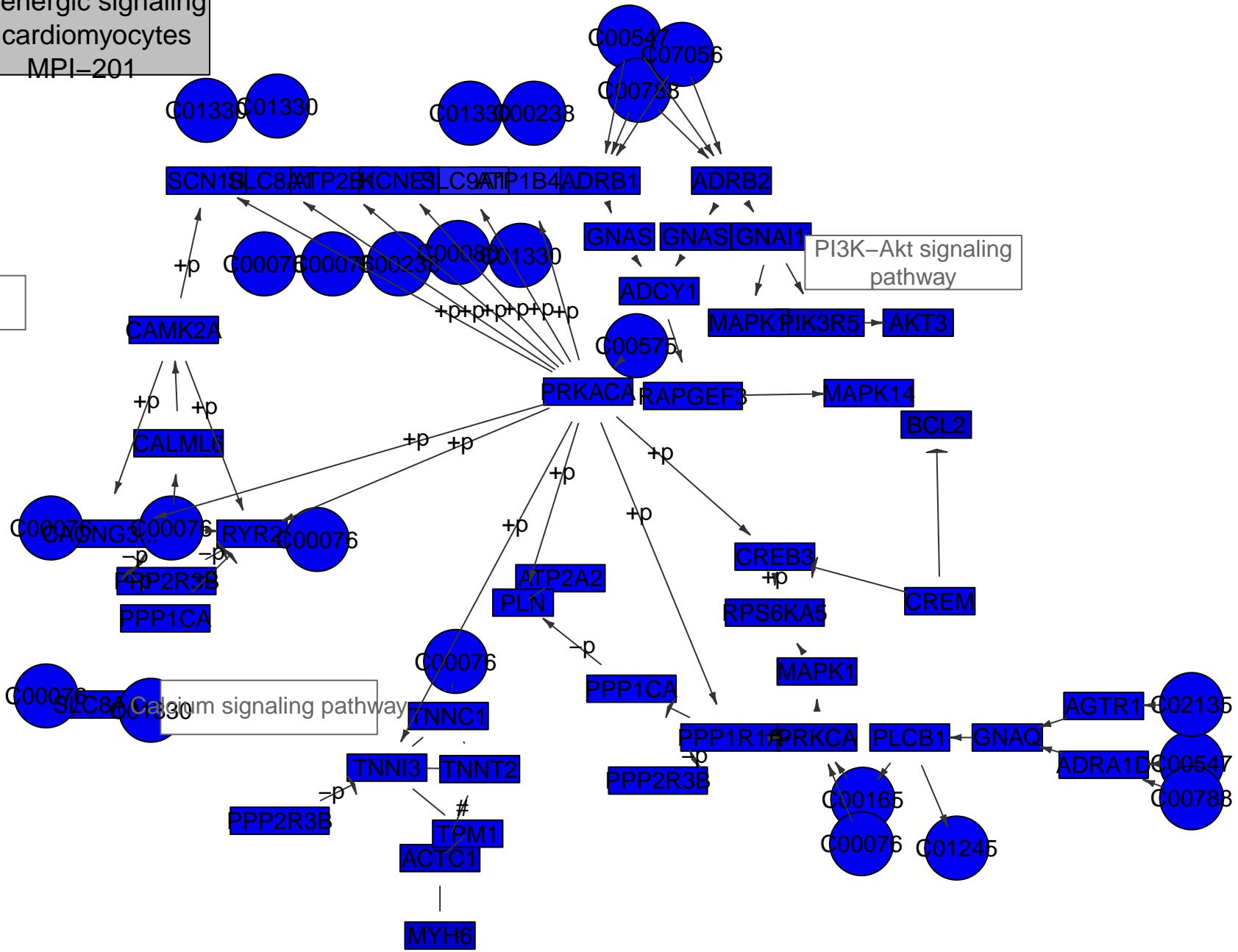
Adrenergic signaling  
in cardiomyocytes  
MPI-200

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-201

Cardiac muscle  
contraction

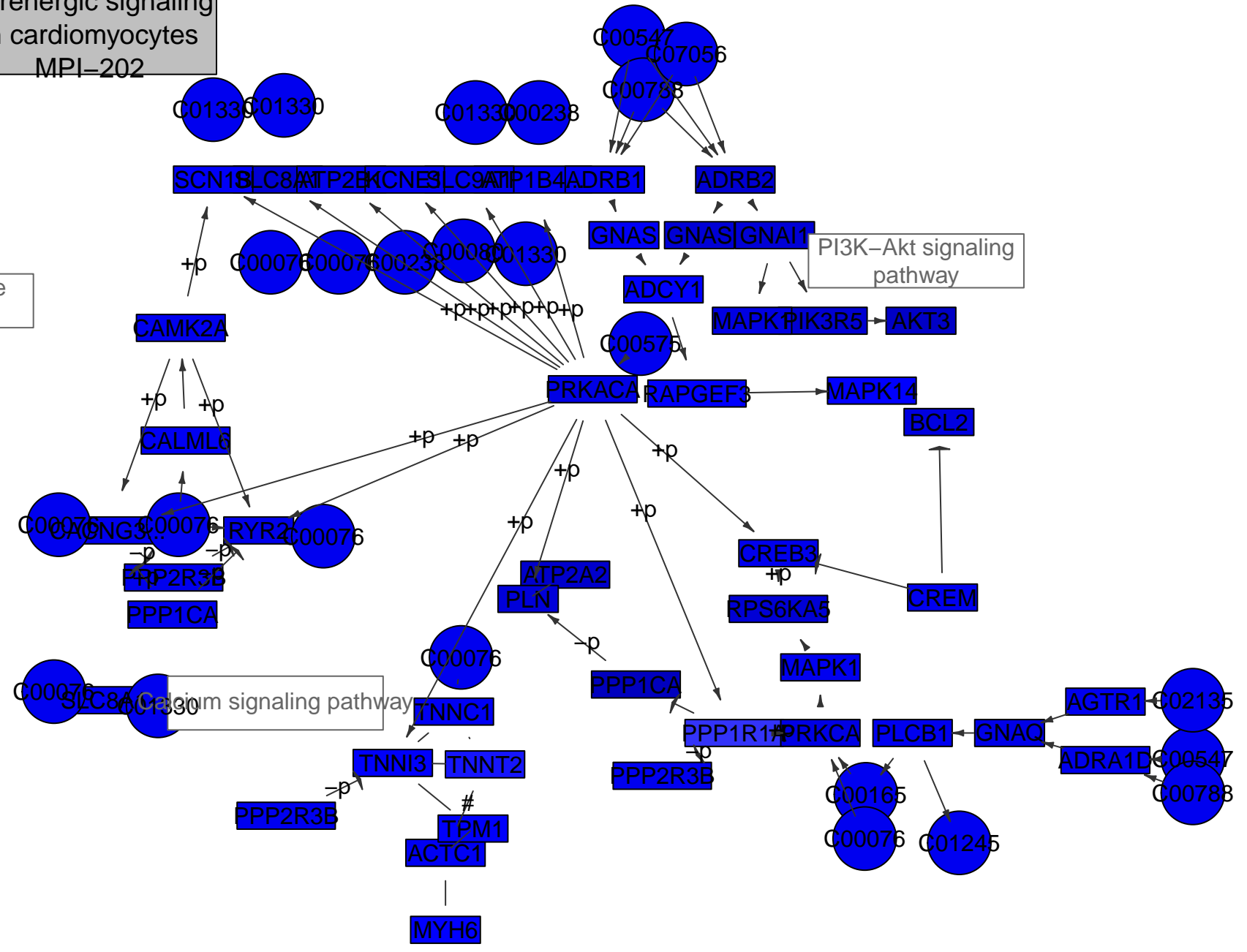


PI3K-Akt signaling  
pathway

Calcium signaling pathway

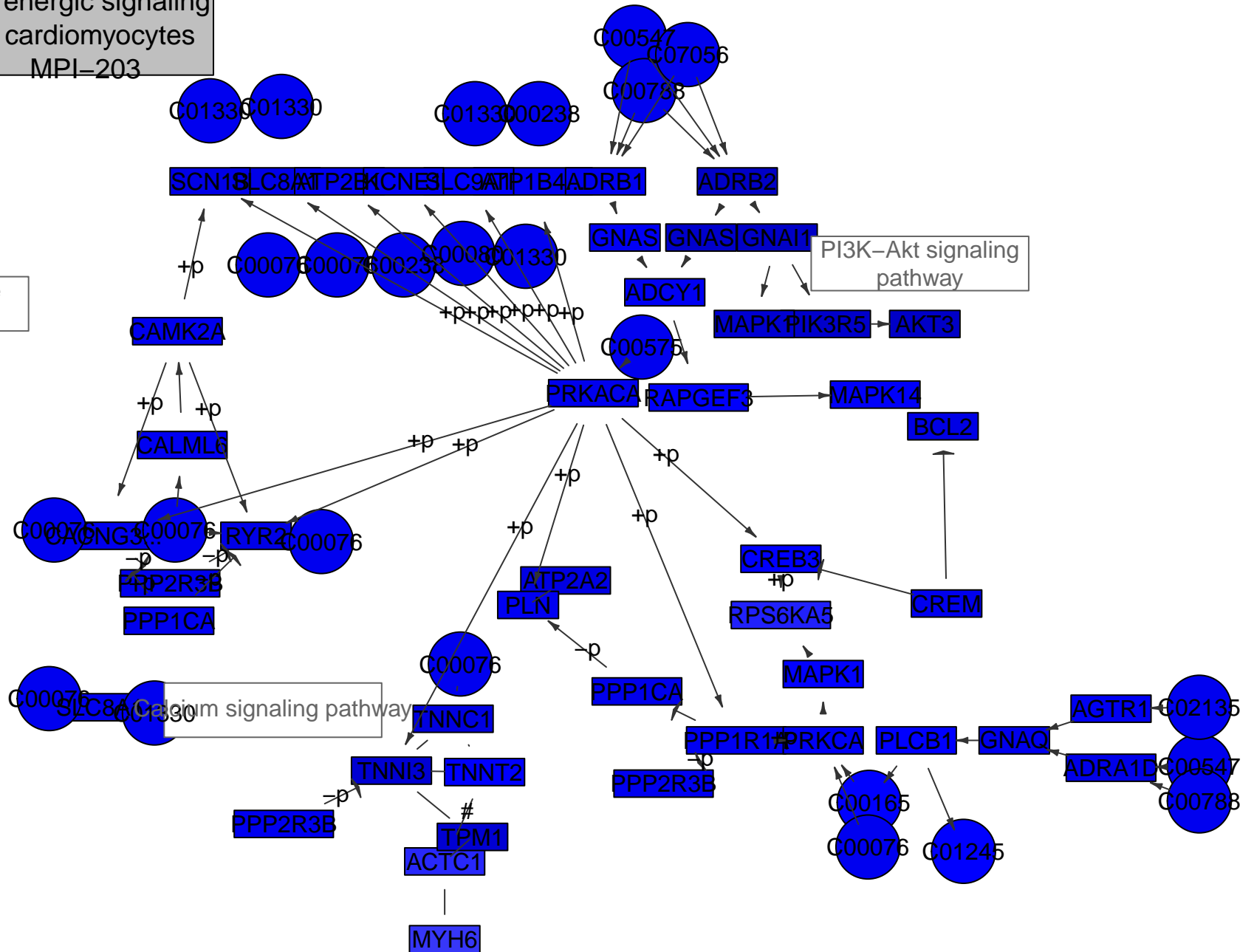
Adrenergic signaling  
in cardiomyocytes  
MPI-202

Cardiac muscle  
contraction



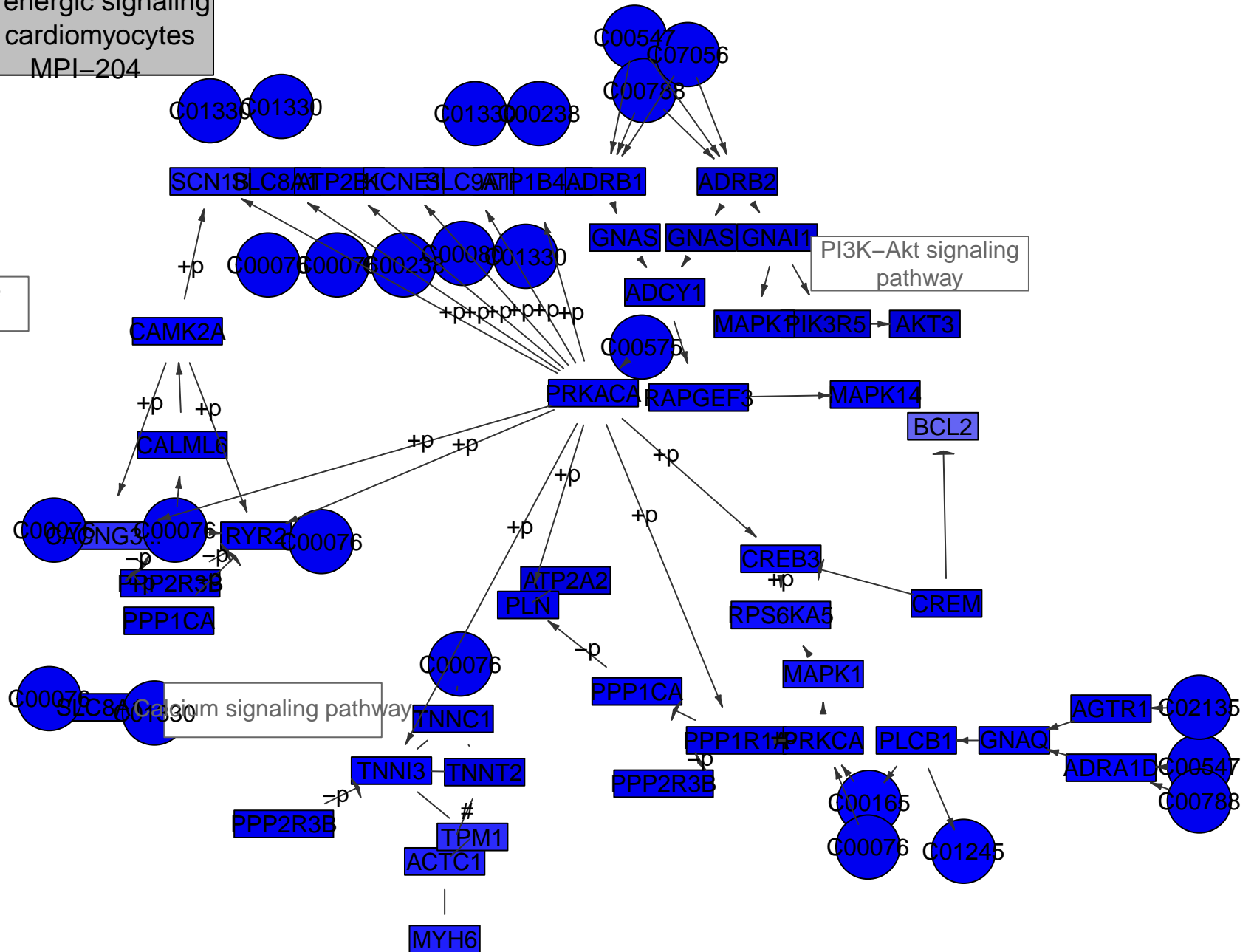
Adrenergic signaling  
in cardiomyocytes  
MPI-203

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-204

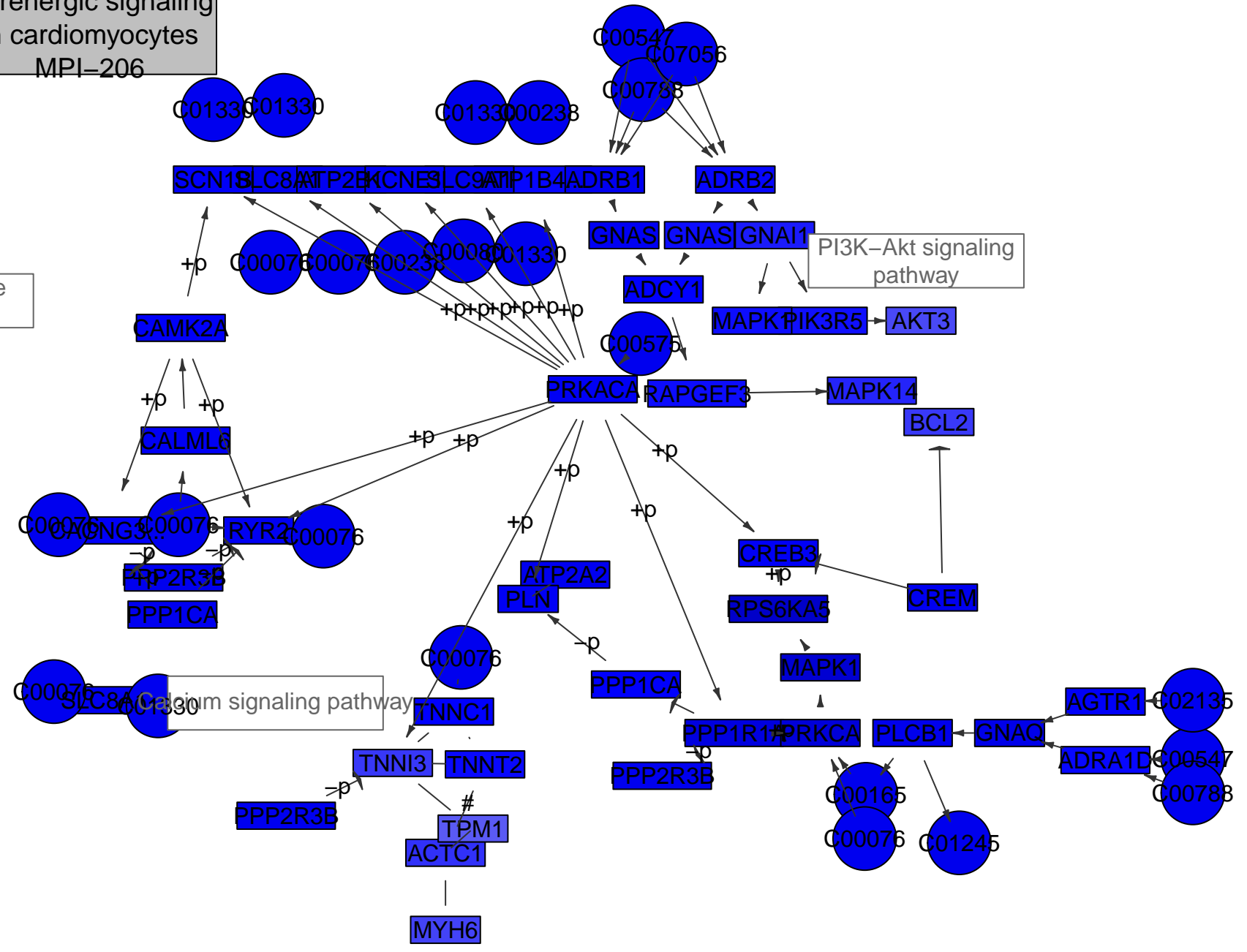
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-206

Cardiac muscle  
contraction

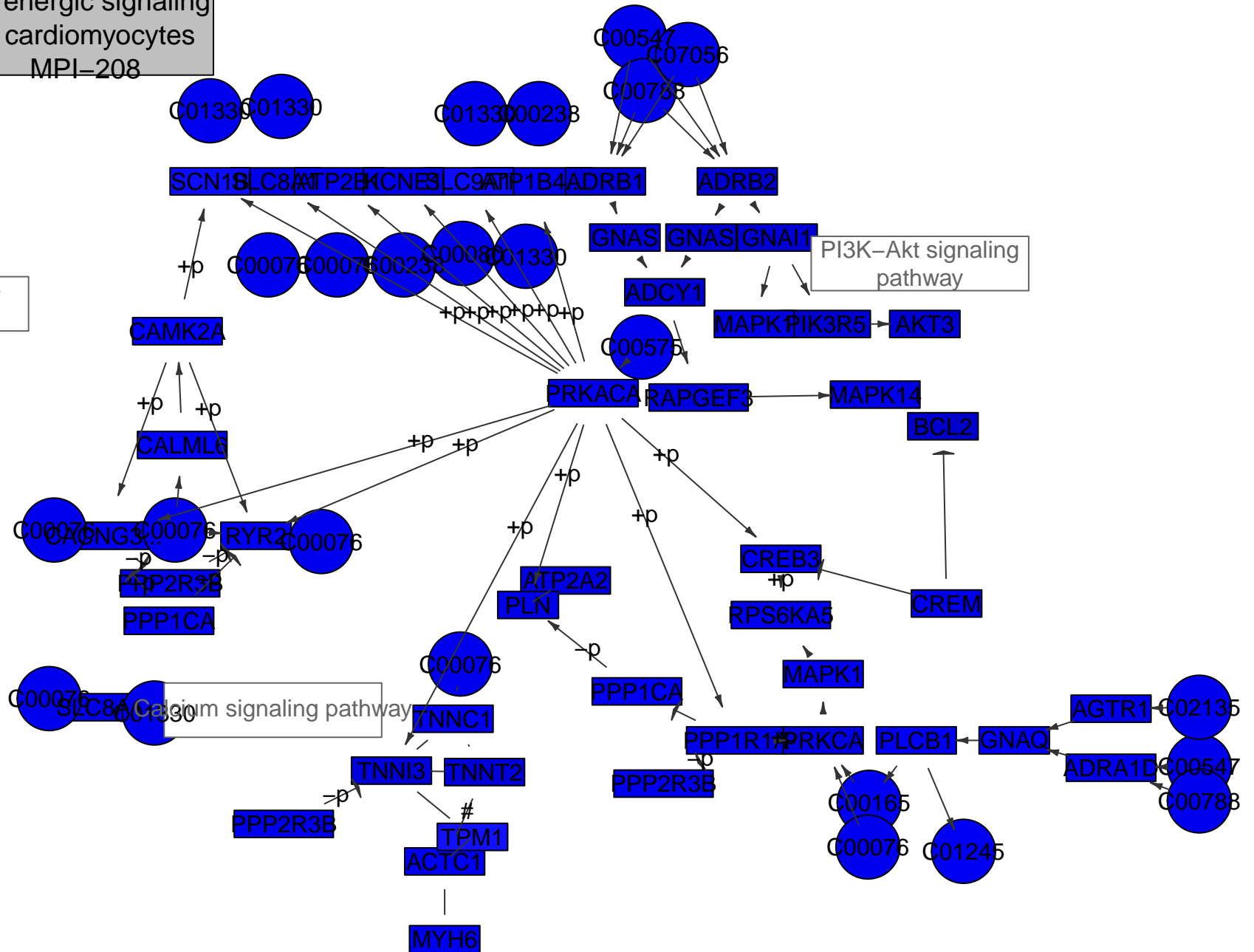






Adrenergic signaling  
in cardiomyocytes  
MPI-208

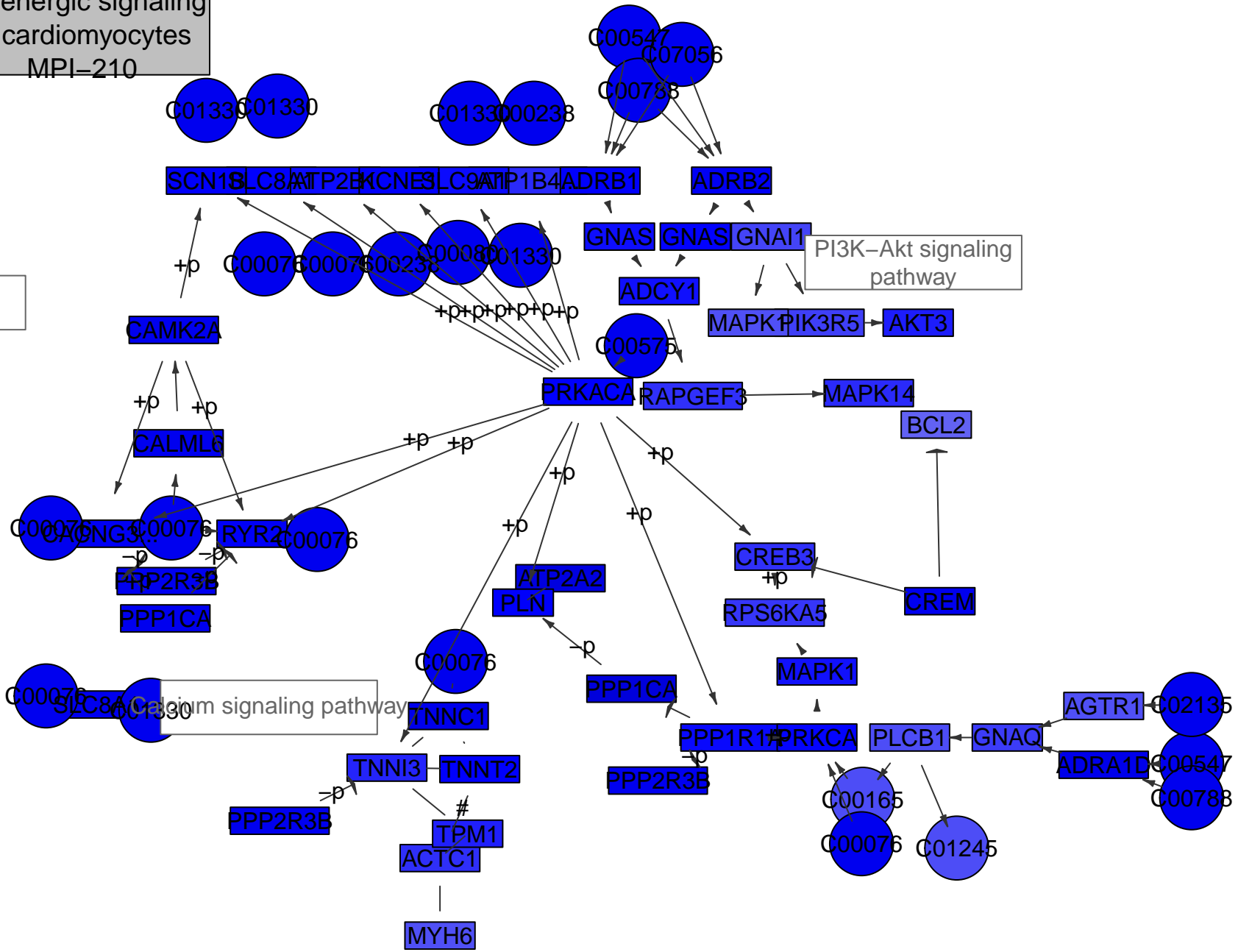
Cardiac muscle  
contraction





Adrenergic signaling  
in cardiomyocytes  
MPI-210

Cardiac muscle  
contraction

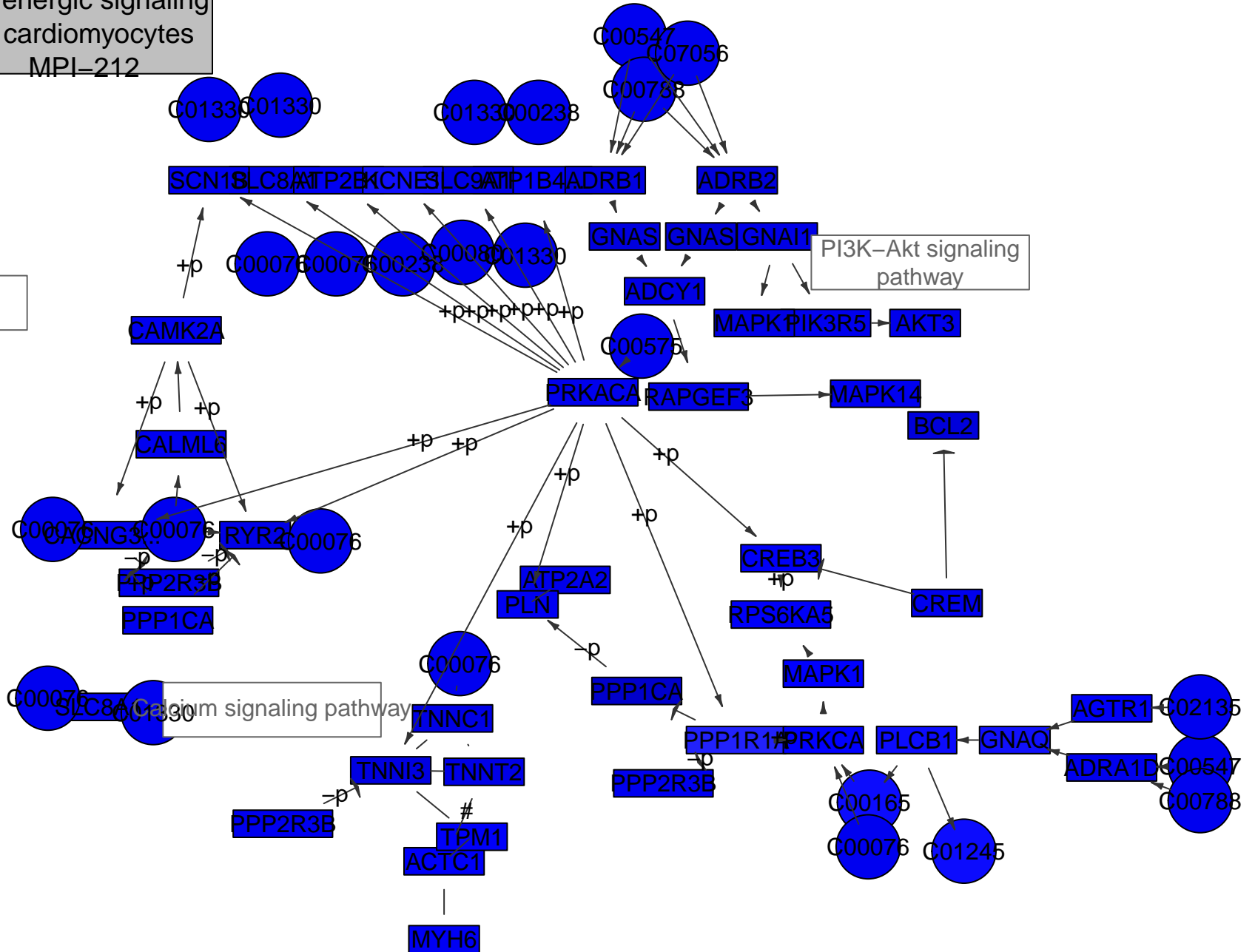


PI3K-Akt signaling  
pathway

Calcium signaling pathway

Adrenergic signaling  
in cardiomyocytes  
MPI-212

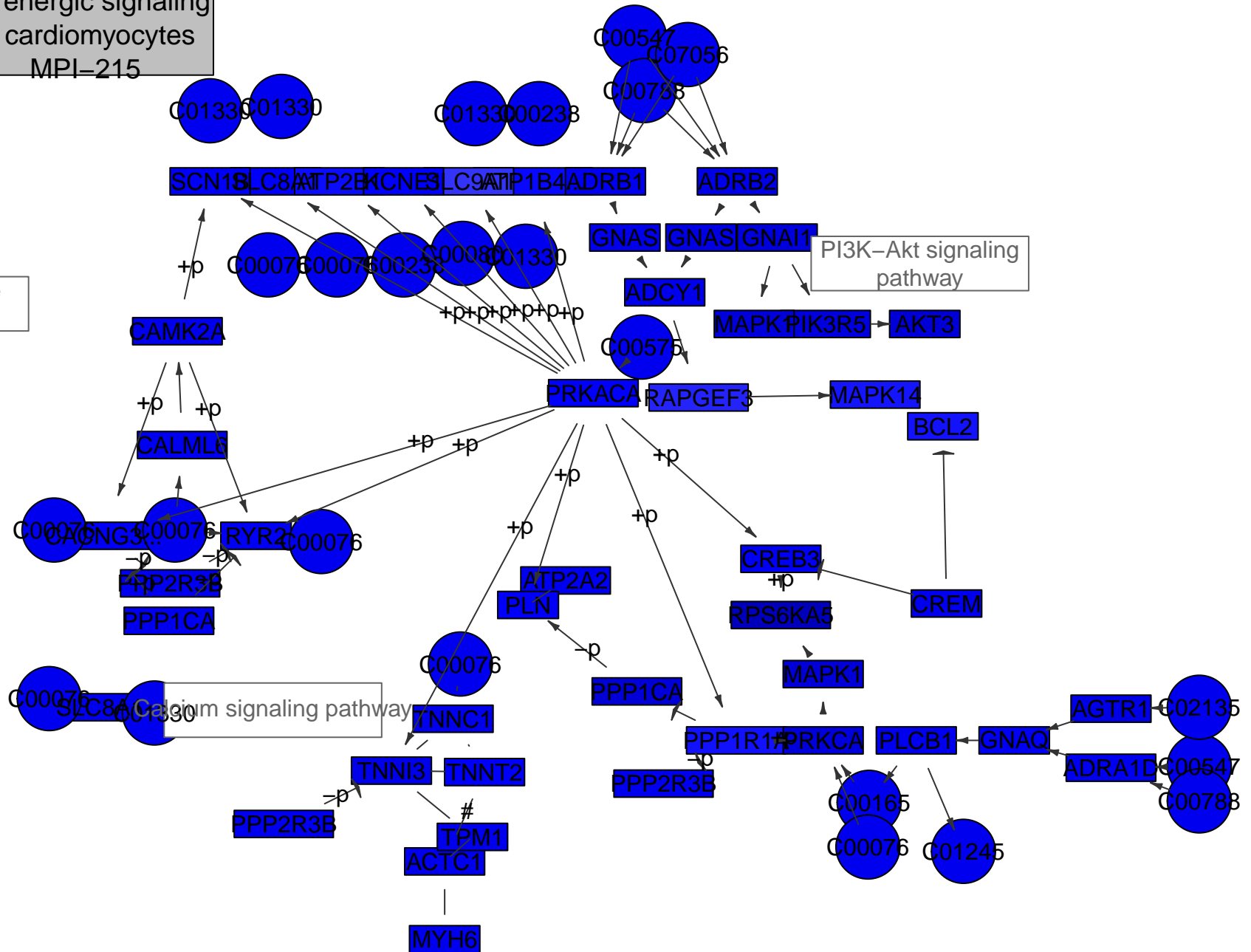
Cardiac muscle  
contraction





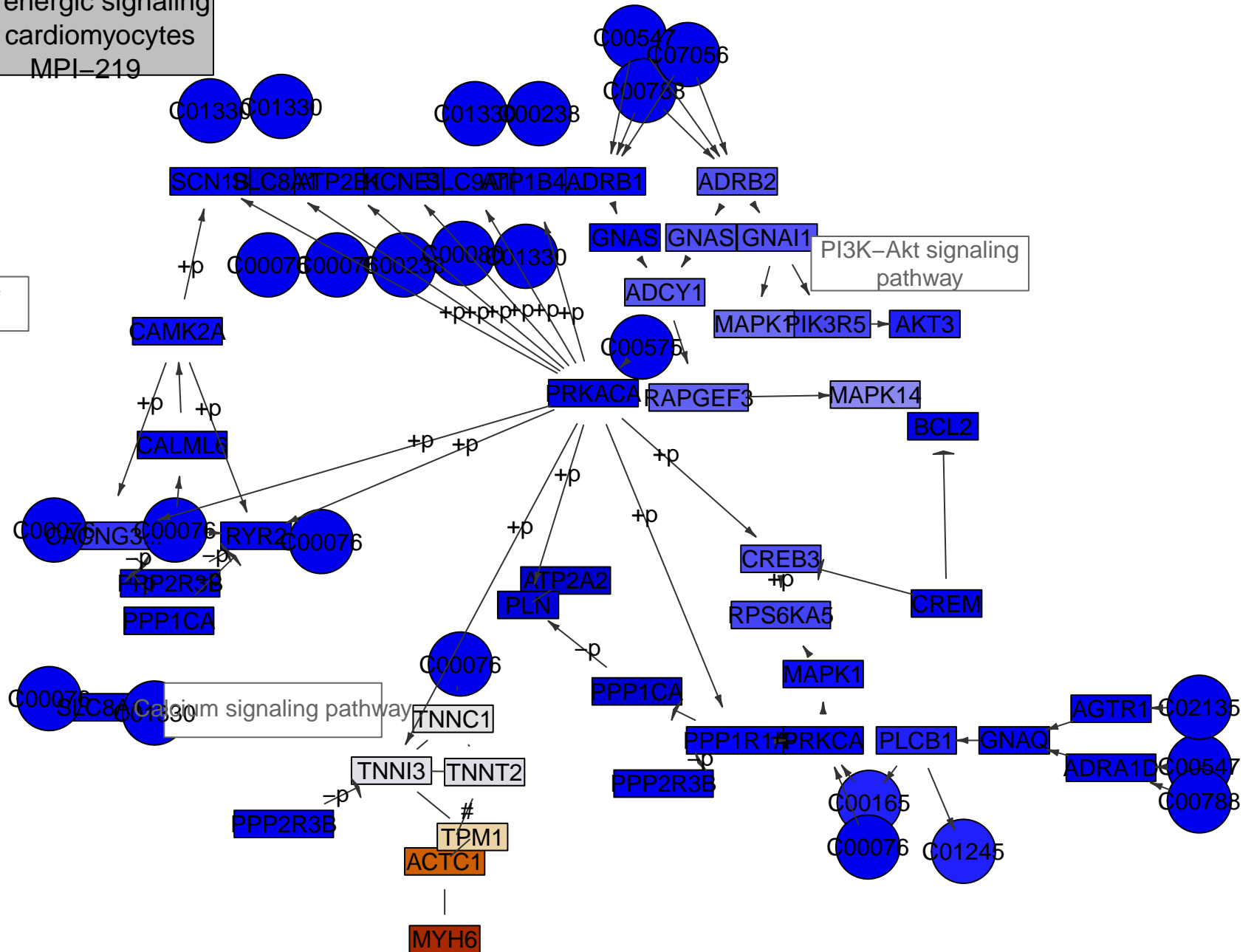
Adrenergic signaling  
in cardiomyocytes  
MPI-215

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-219

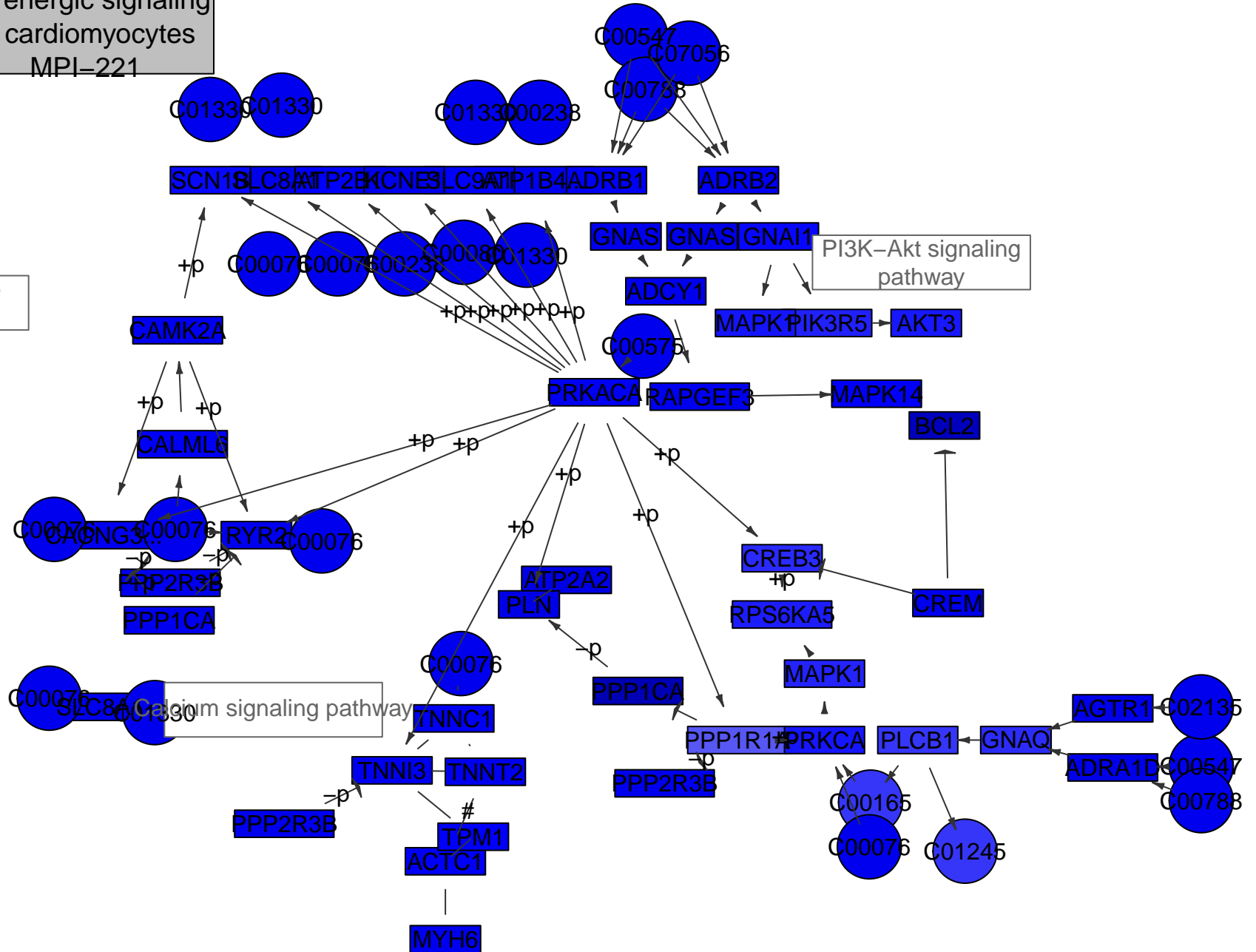
Cardiac muscle  
contraction





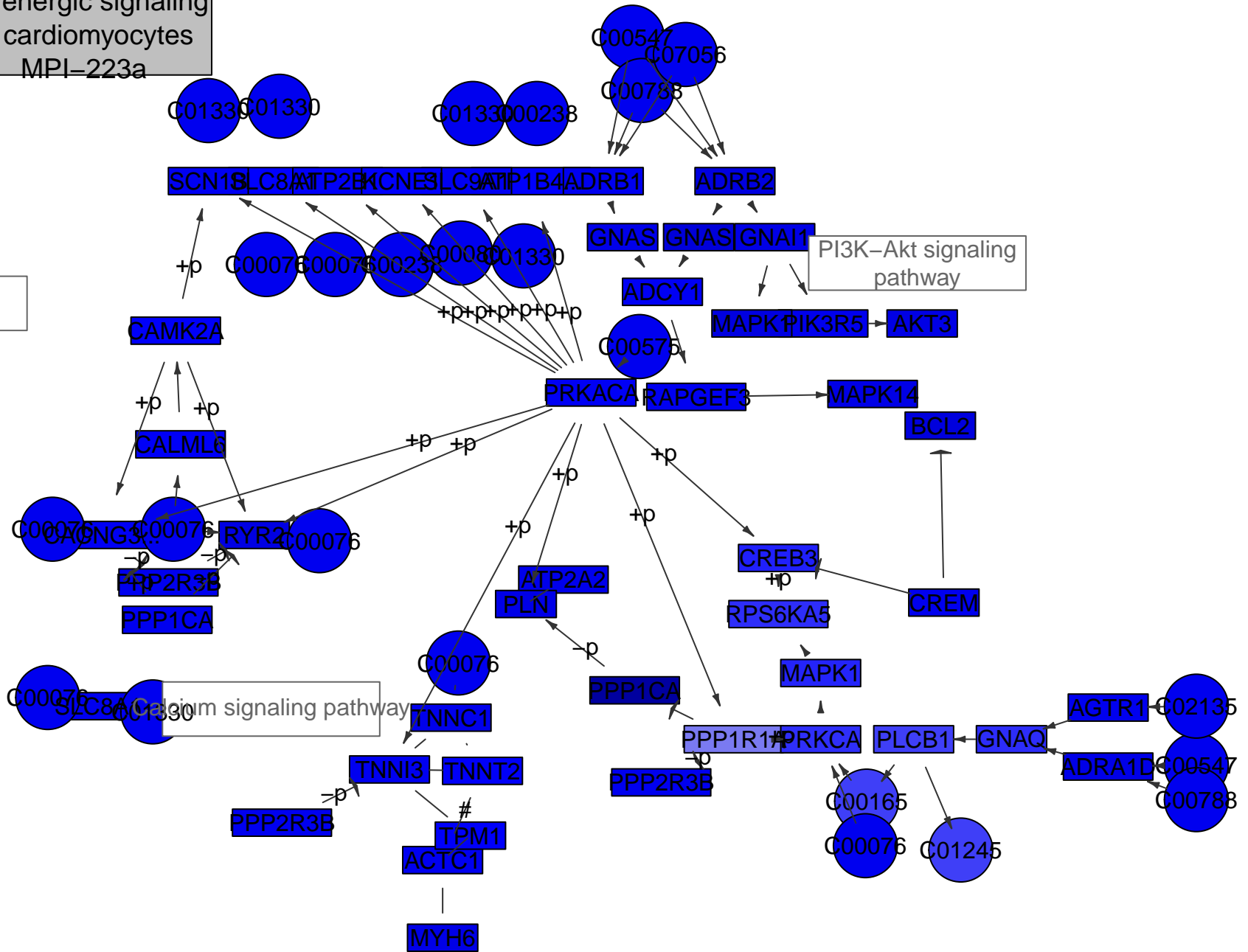
Adrenergic signaling  
in cardiomyocytes  
MPI-221

Cardiac muscle  
contraction



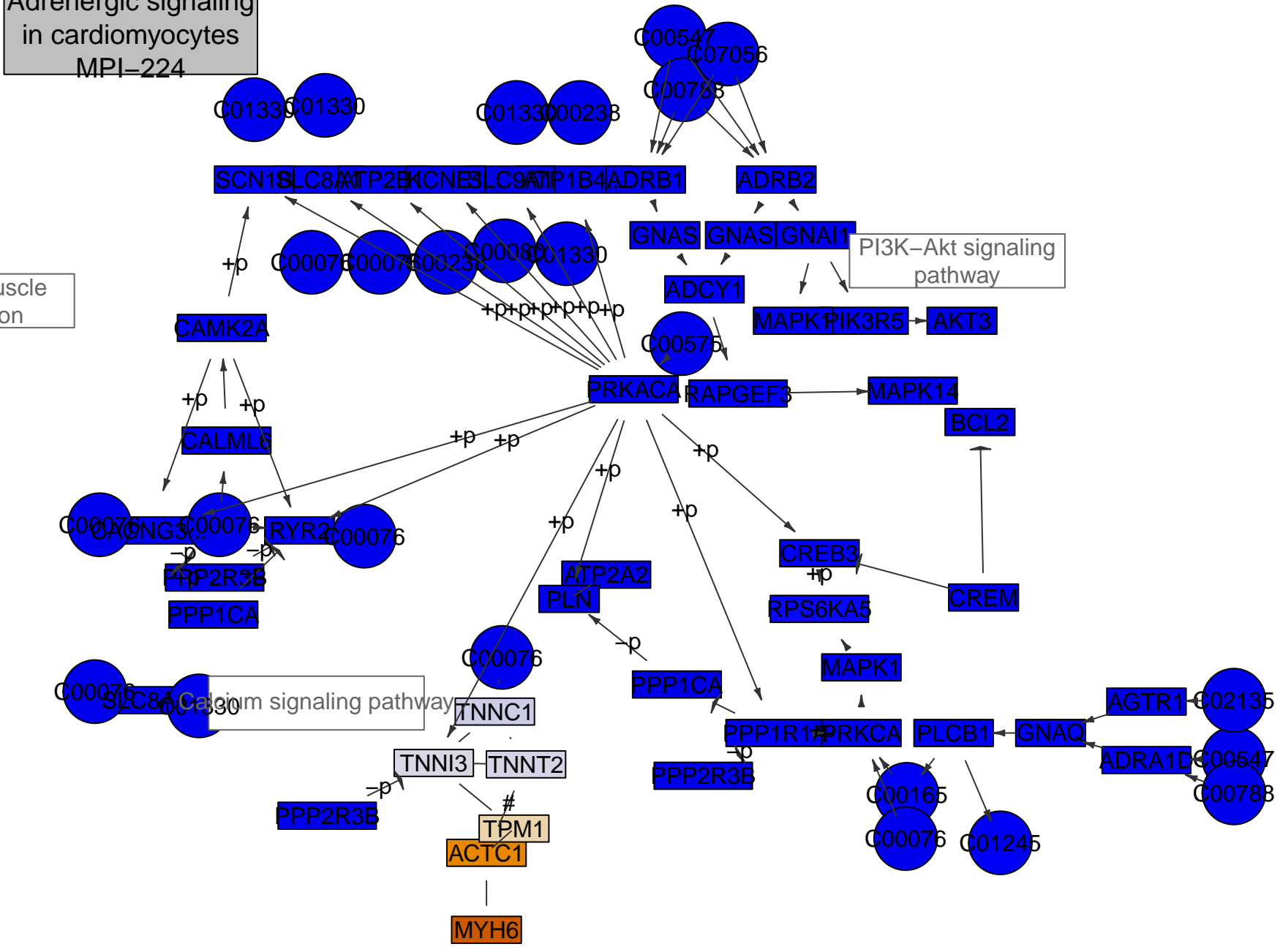
Adrenergic signaling  
in cardiomyocytes  
MPI-223a

Cardiac muscle  
contraction



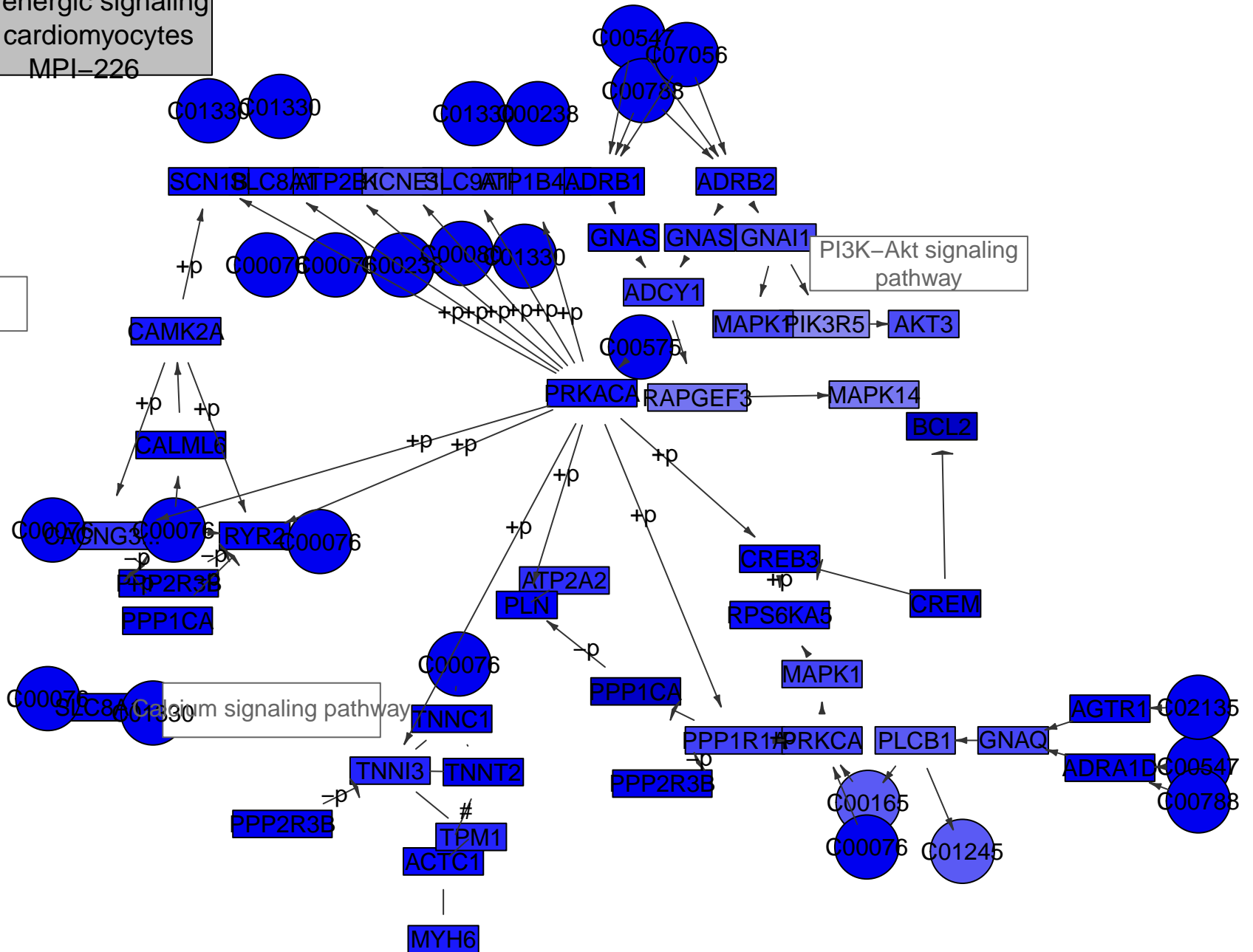
Adrenergic signaling  
in cardiomyocytes  
MPI-224

Cardiac muscle  
contraction



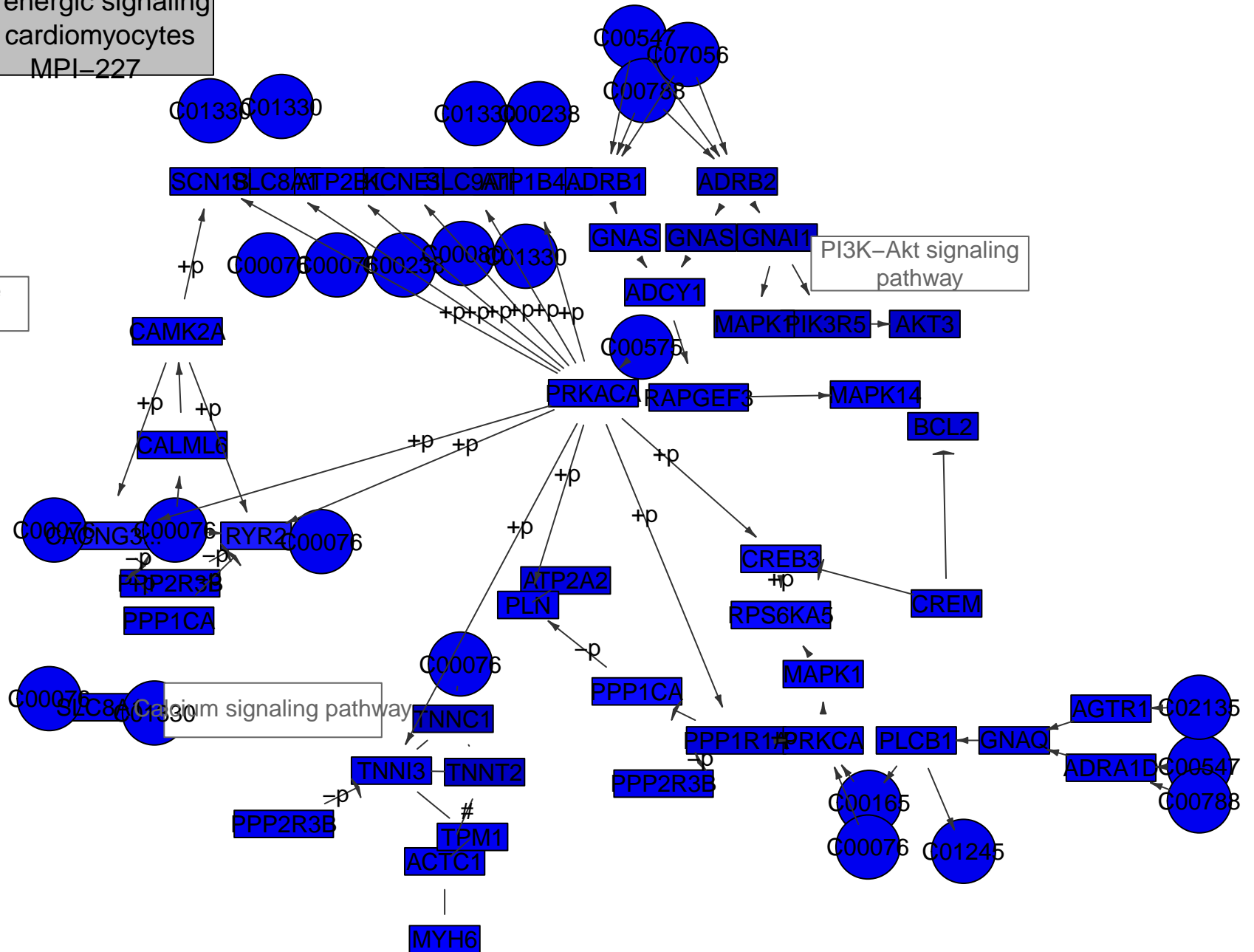
Adrenergic signaling  
in cardiomyocytes  
MPI-226

Cardiac muscle  
contraction



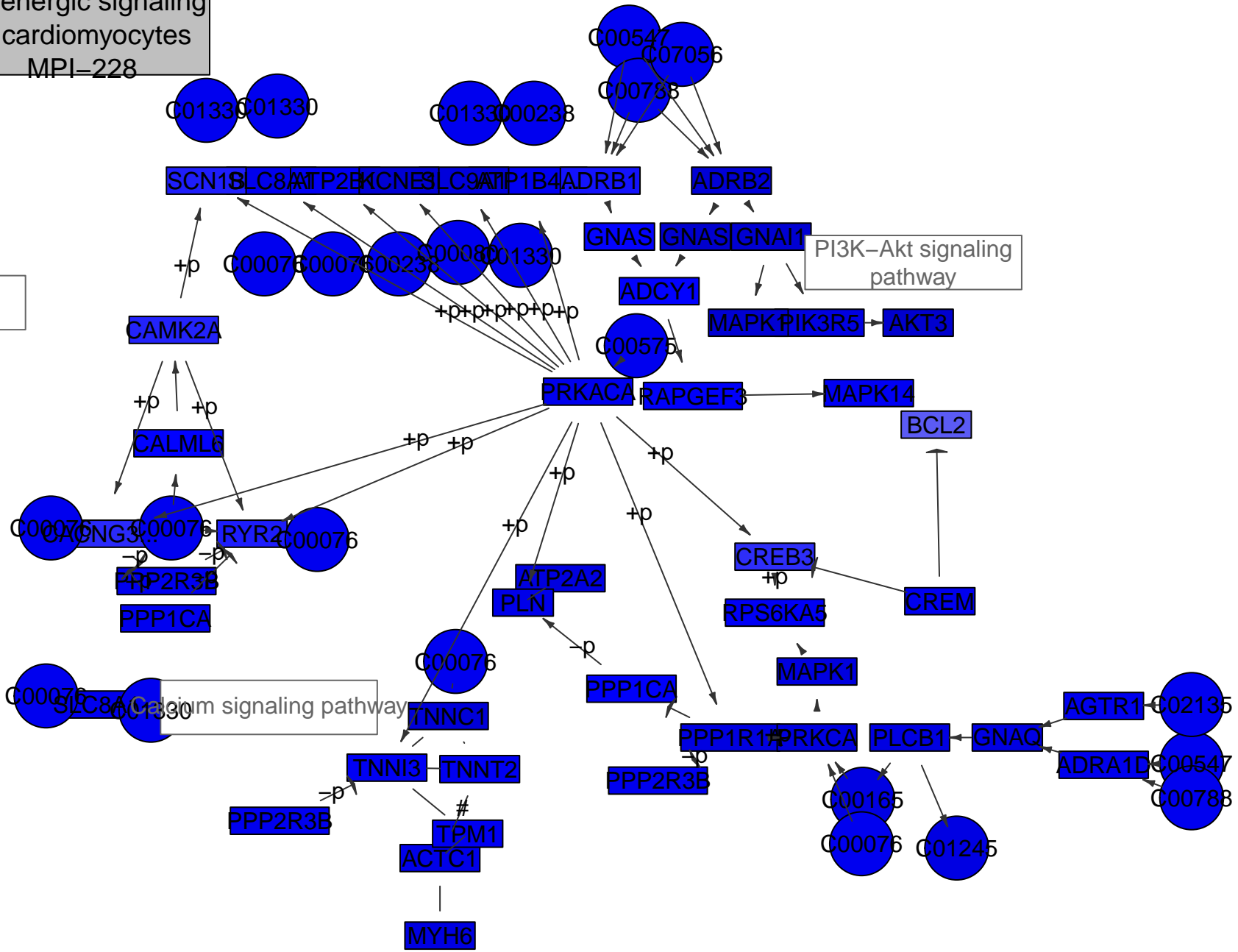
Adrenergic signaling  
in cardiomyocytes  
MPI-227

Cardiac muscle  
contraction



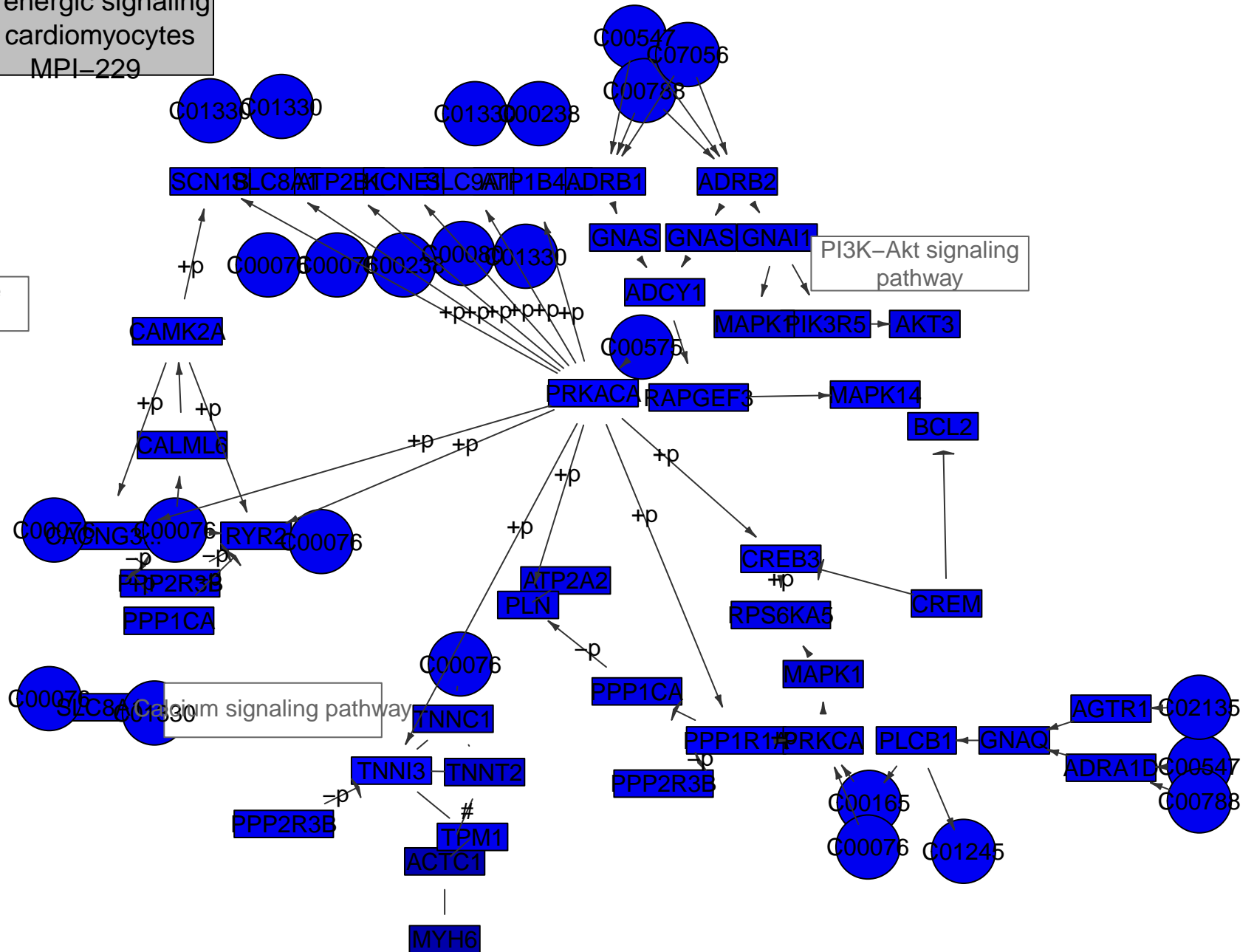
Adrenergic signaling  
in cardiomyocytes  
MPI-228

Cardiac muscle  
contraction



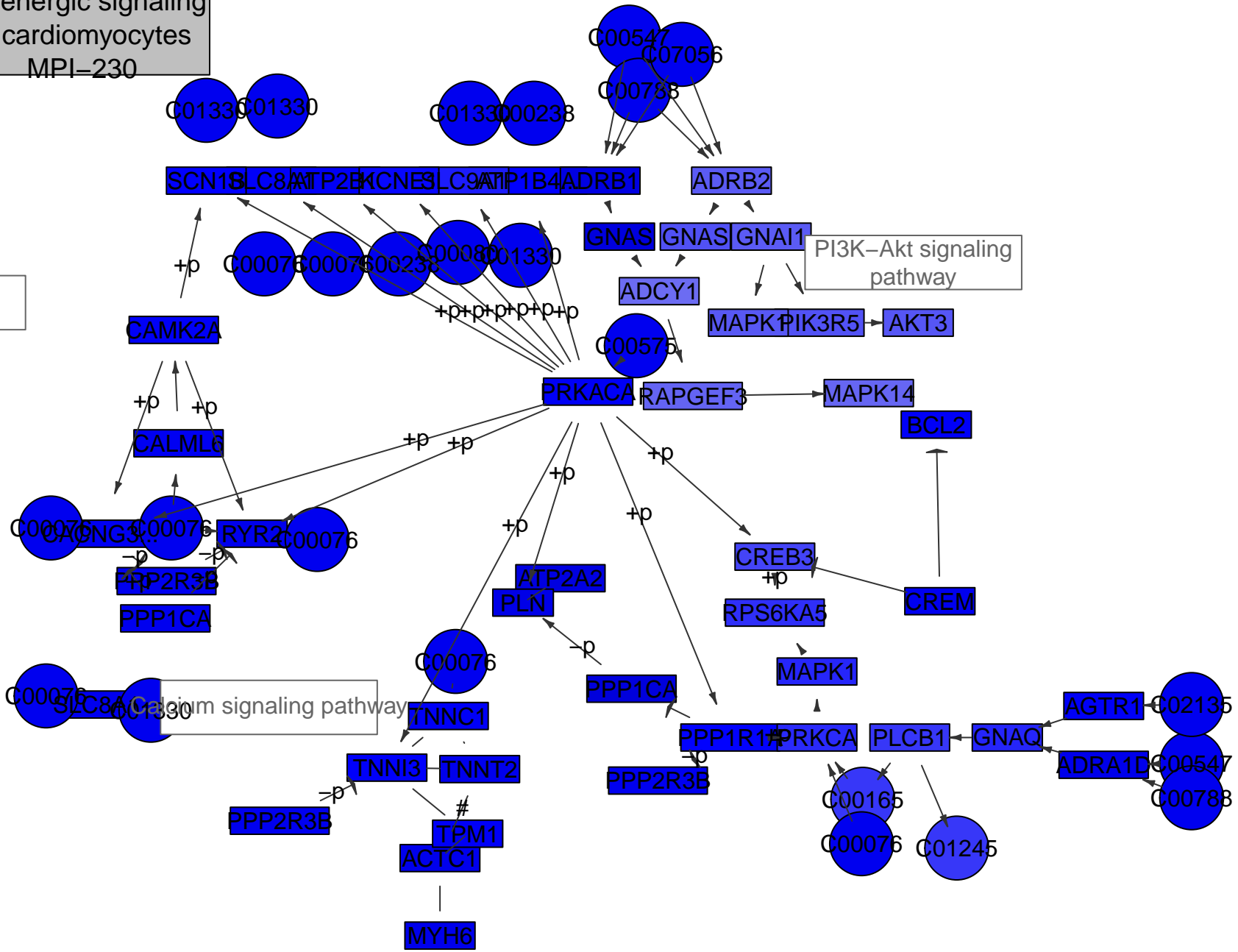
Adrenergic signaling  
in cardiomyocytes  
MPI-229

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-230

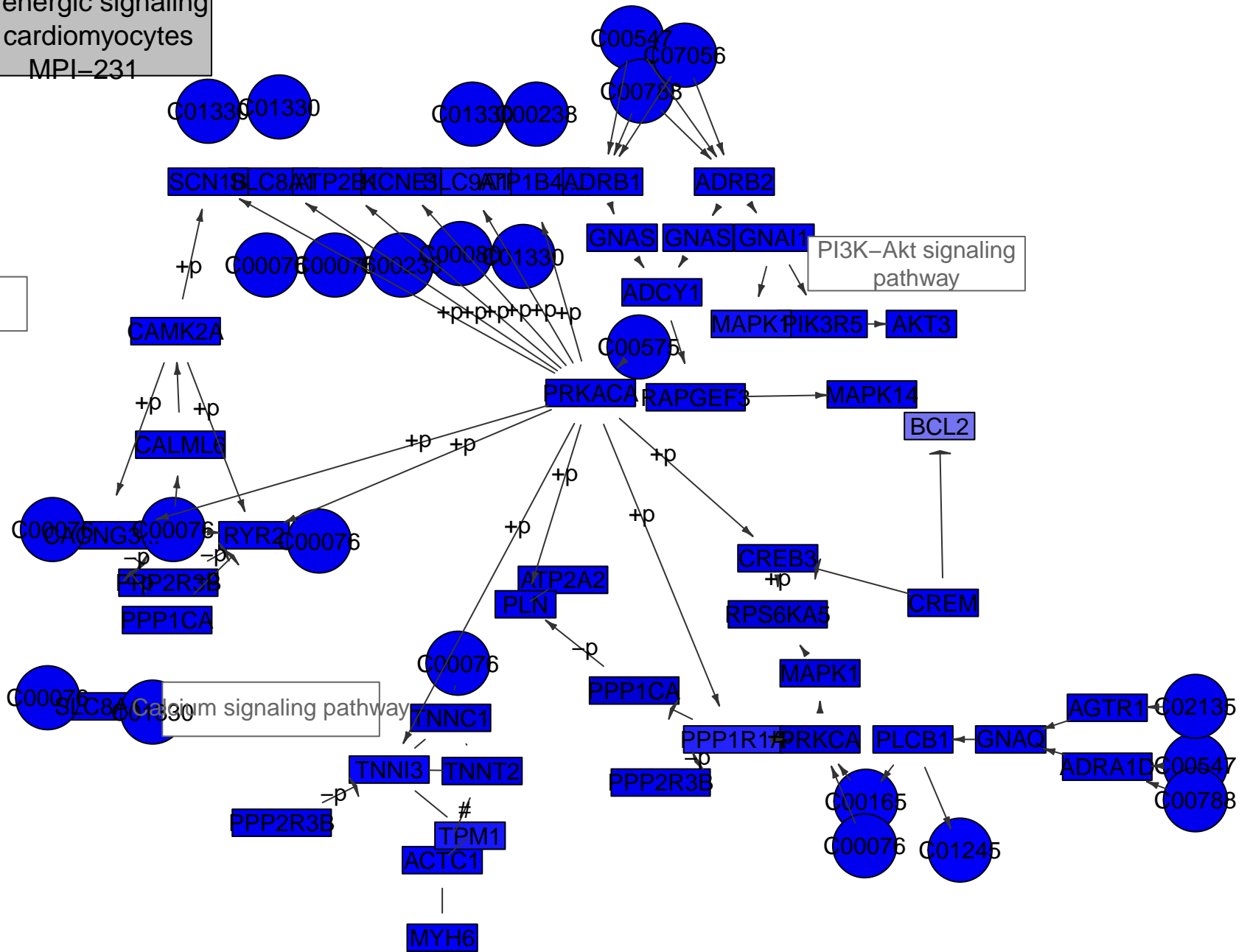
Cardiac muscle  
contraction





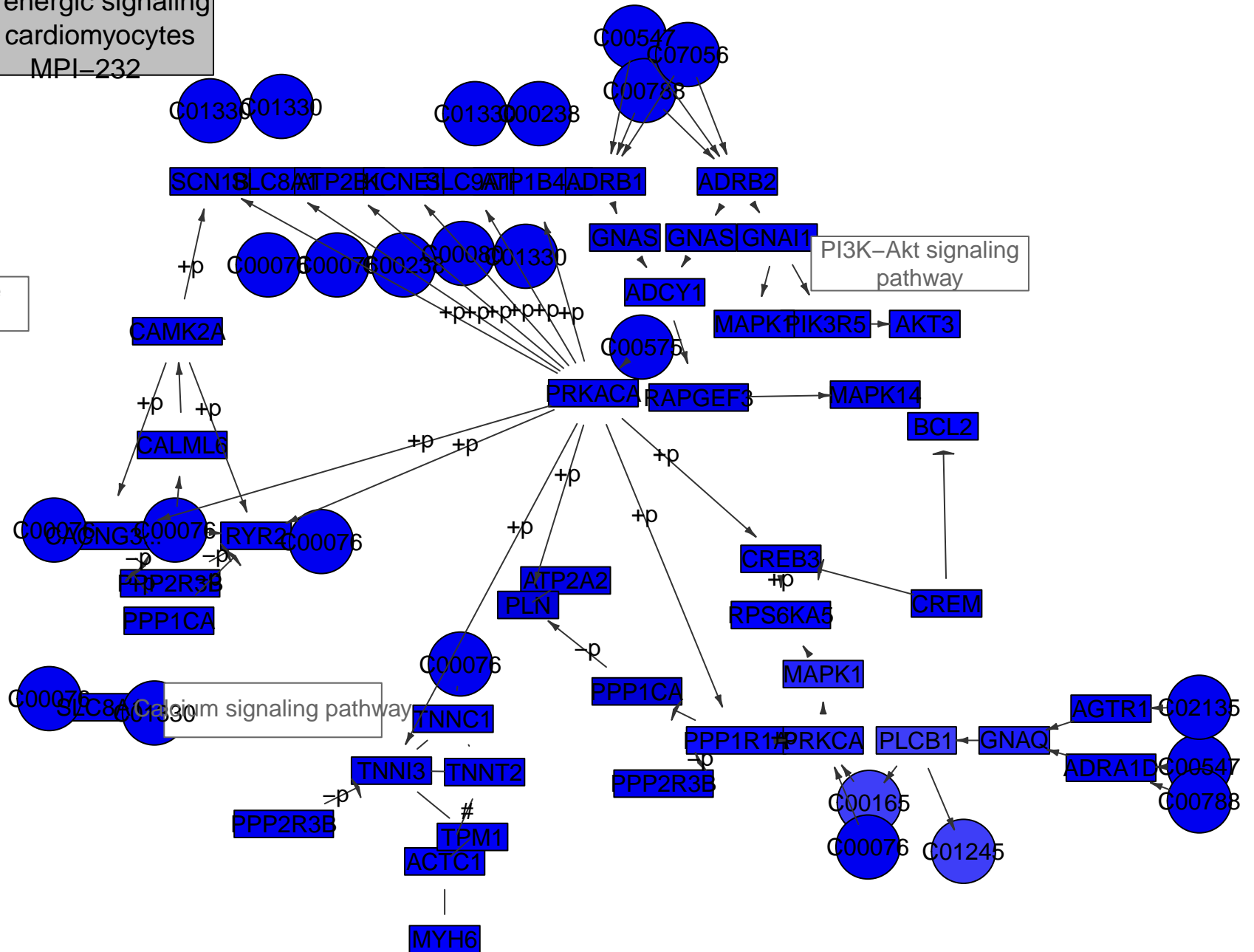
Adrenergic signaling  
in cardiomyocytes  
MPI-231

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-232

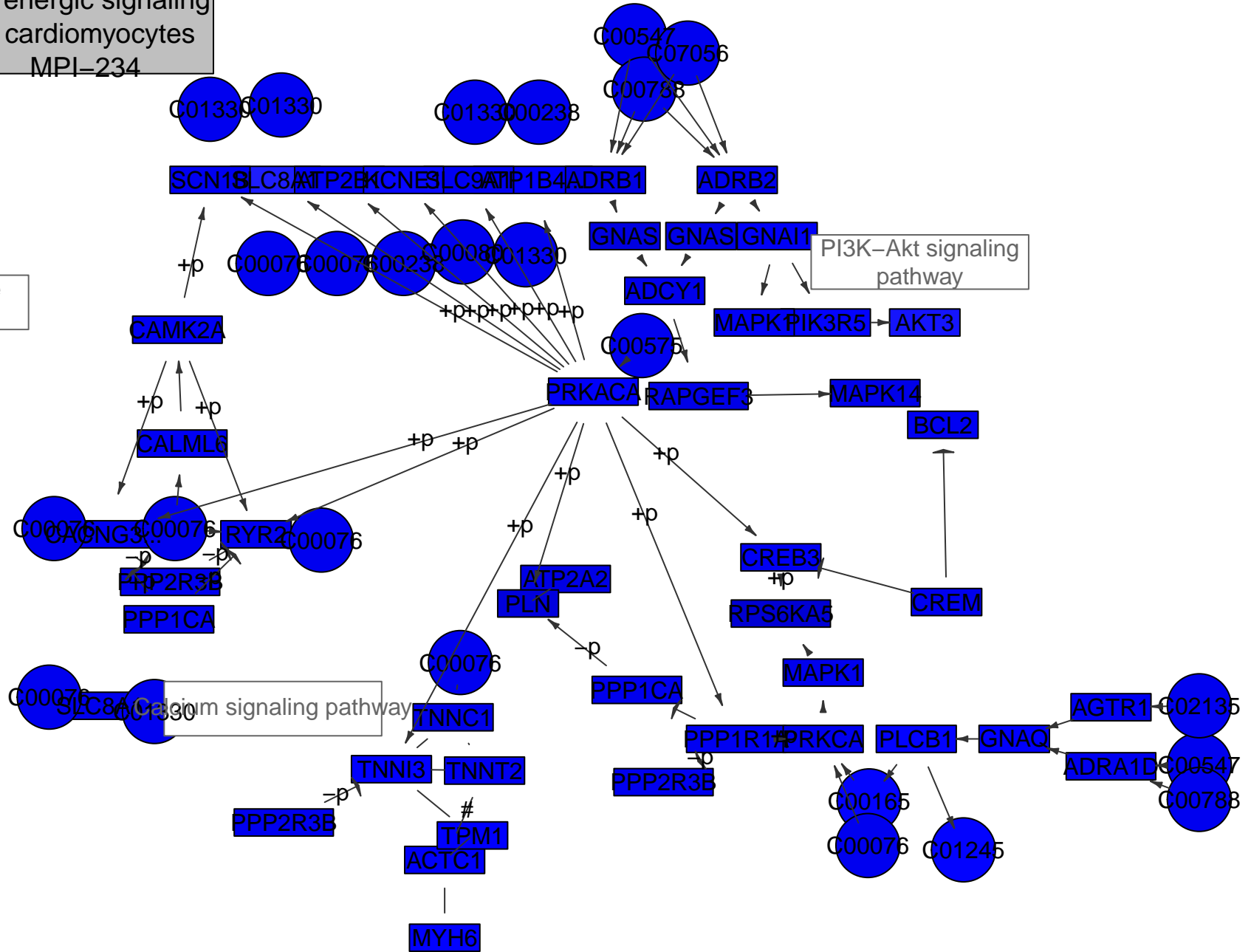
Cardiac muscle  
contraction





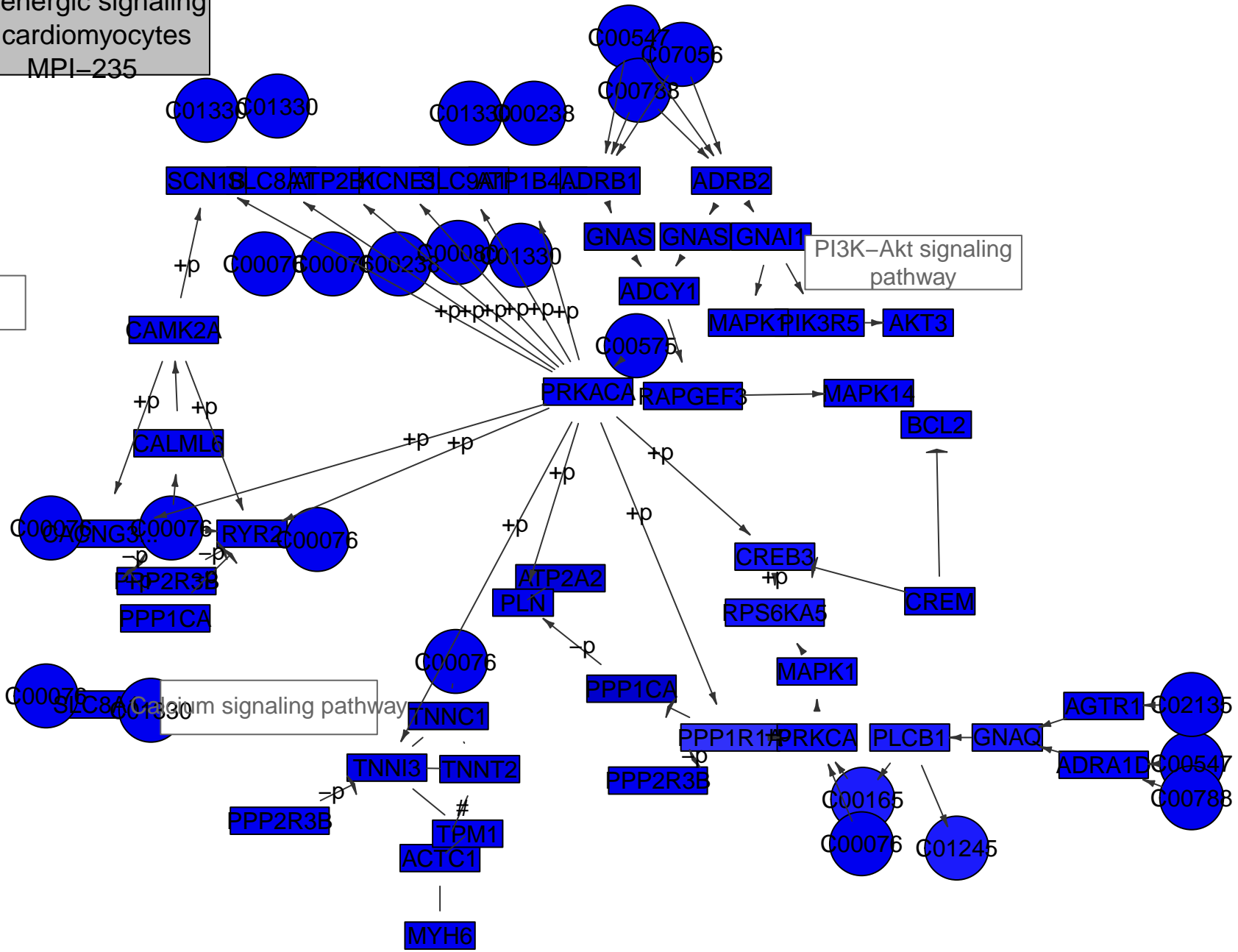
Adrenergic signaling  
in cardiomyocytes  
MPI-234

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-235

Cardiac muscle  
contraction

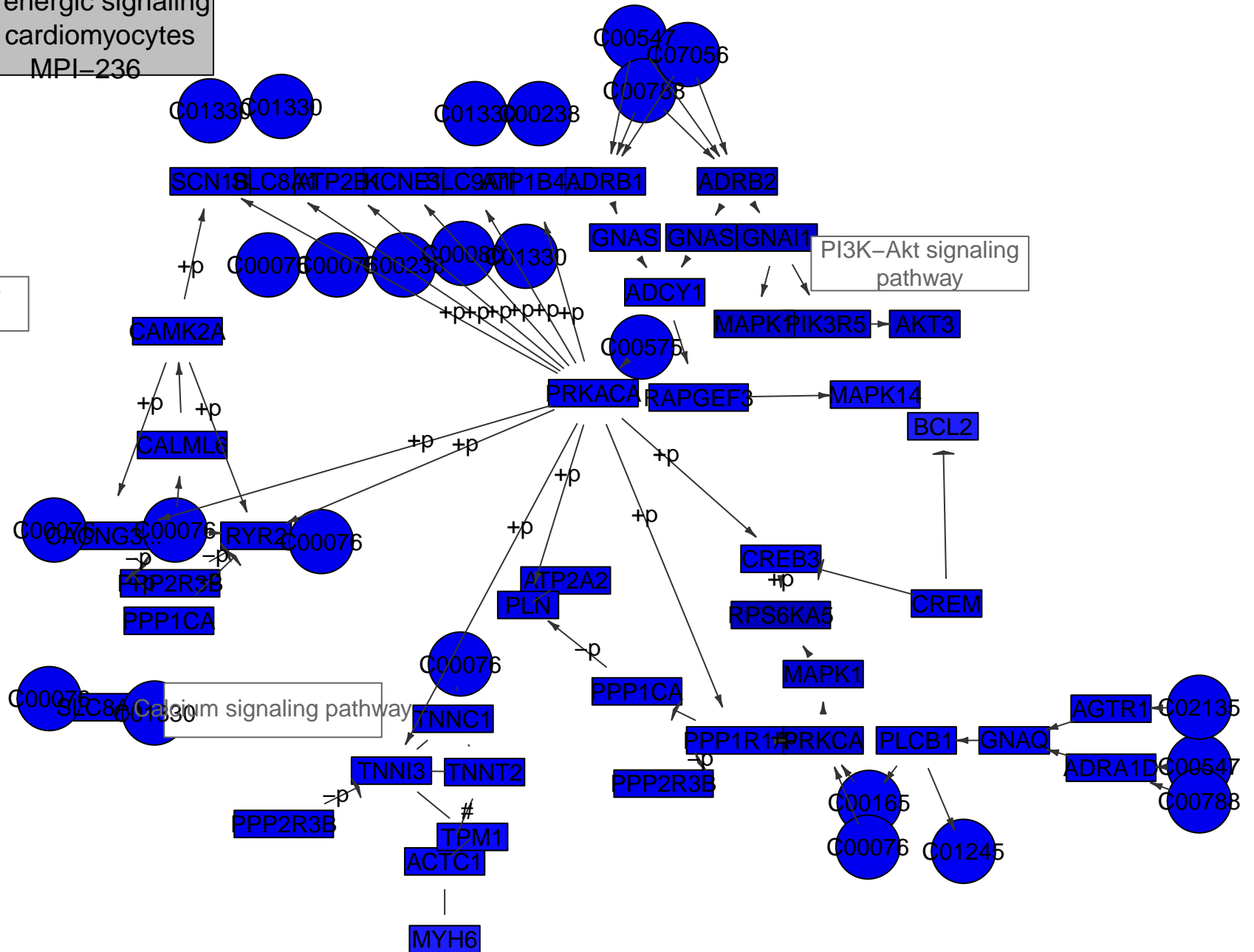


Calcium signaling pathway

PI3K-Akt signaling  
pathway

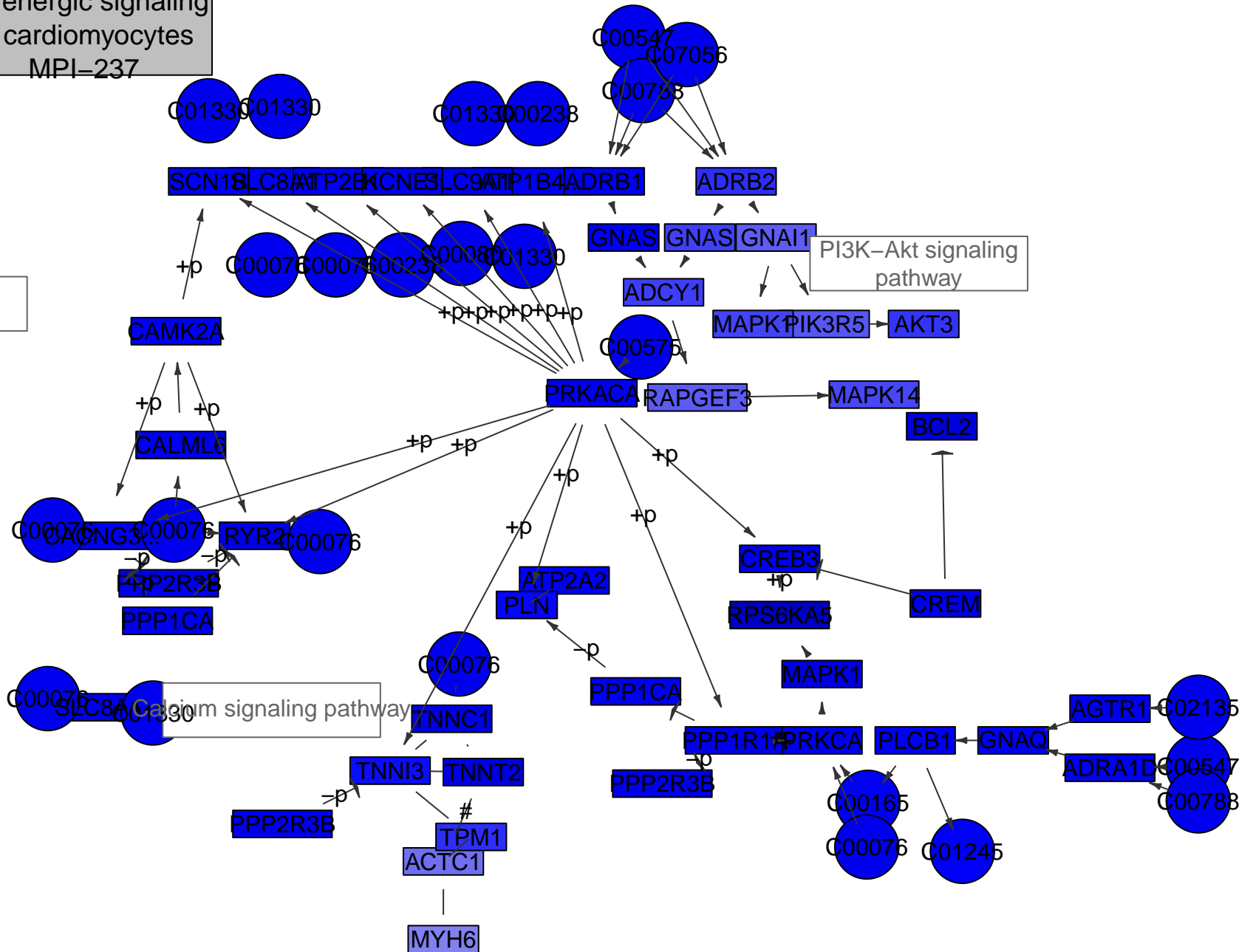
Adrenergic signaling  
in cardiomyocytes  
MPI-236

Cardiac muscle  
contraction



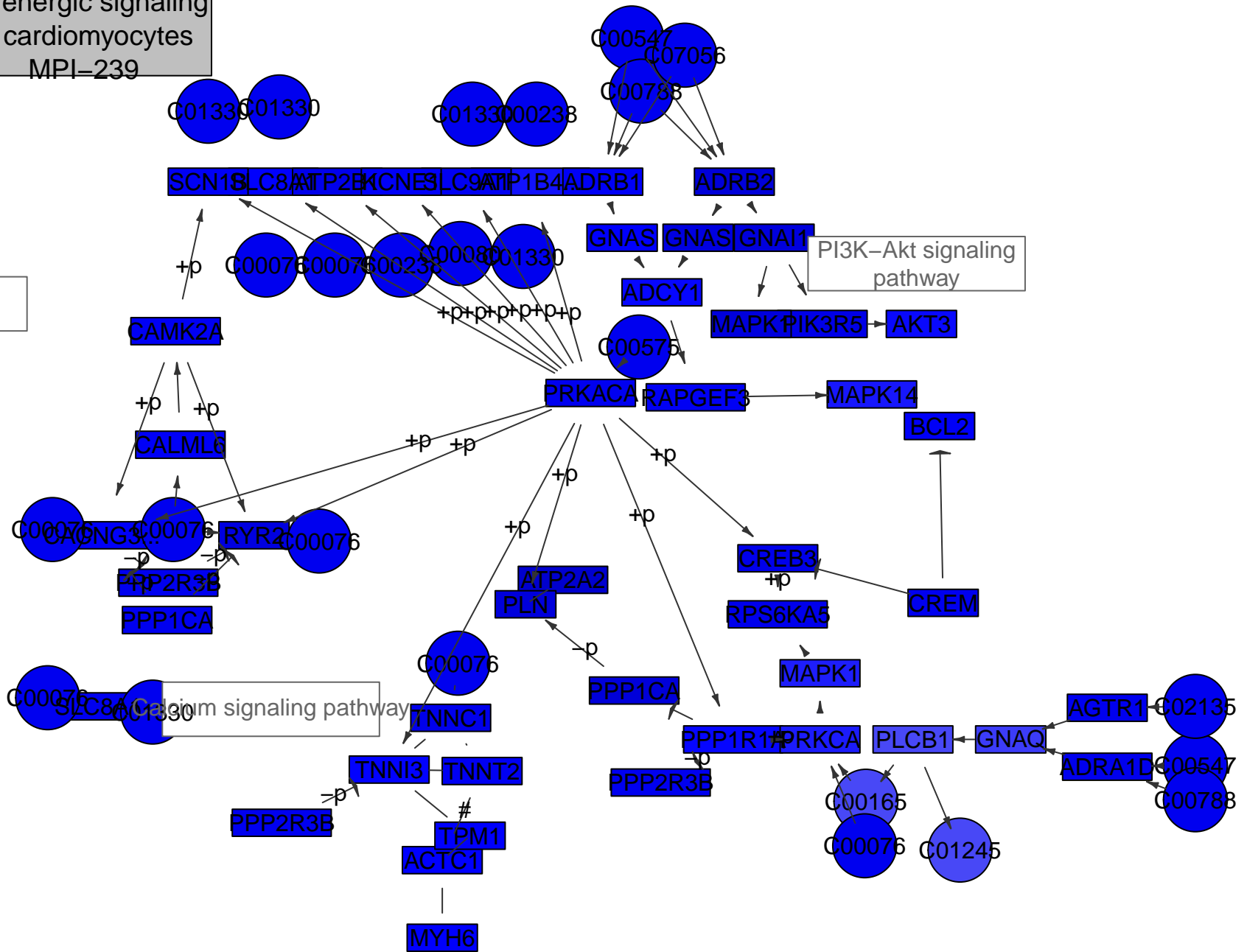
Adrenergic signaling  
in cardiomyocytes  
MPI-237

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-239

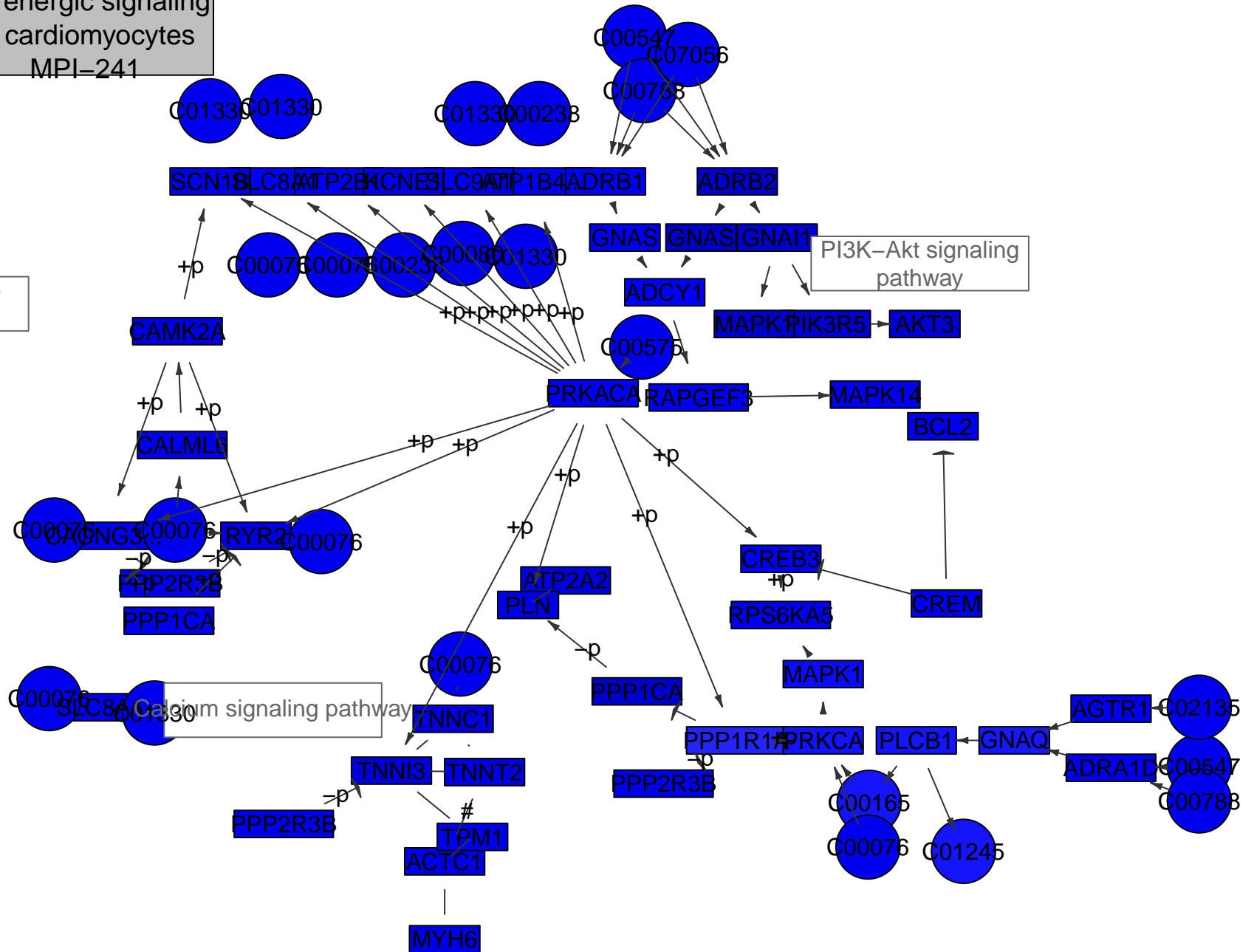
Cardiac muscle  
contraction





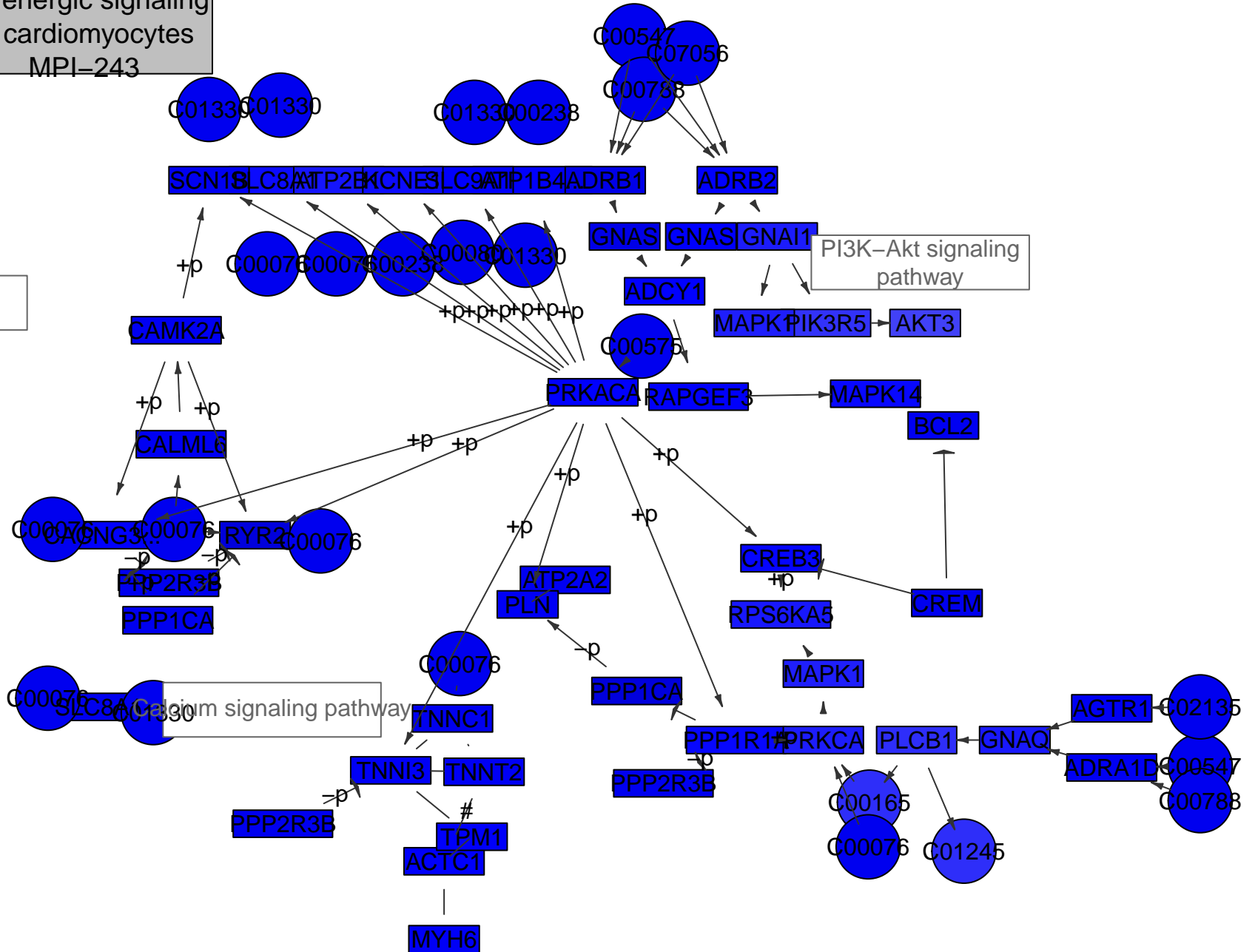
Adrenergic signaling  
in cardiomyocytes  
MPI-241

Cardiac muscle  
contraction



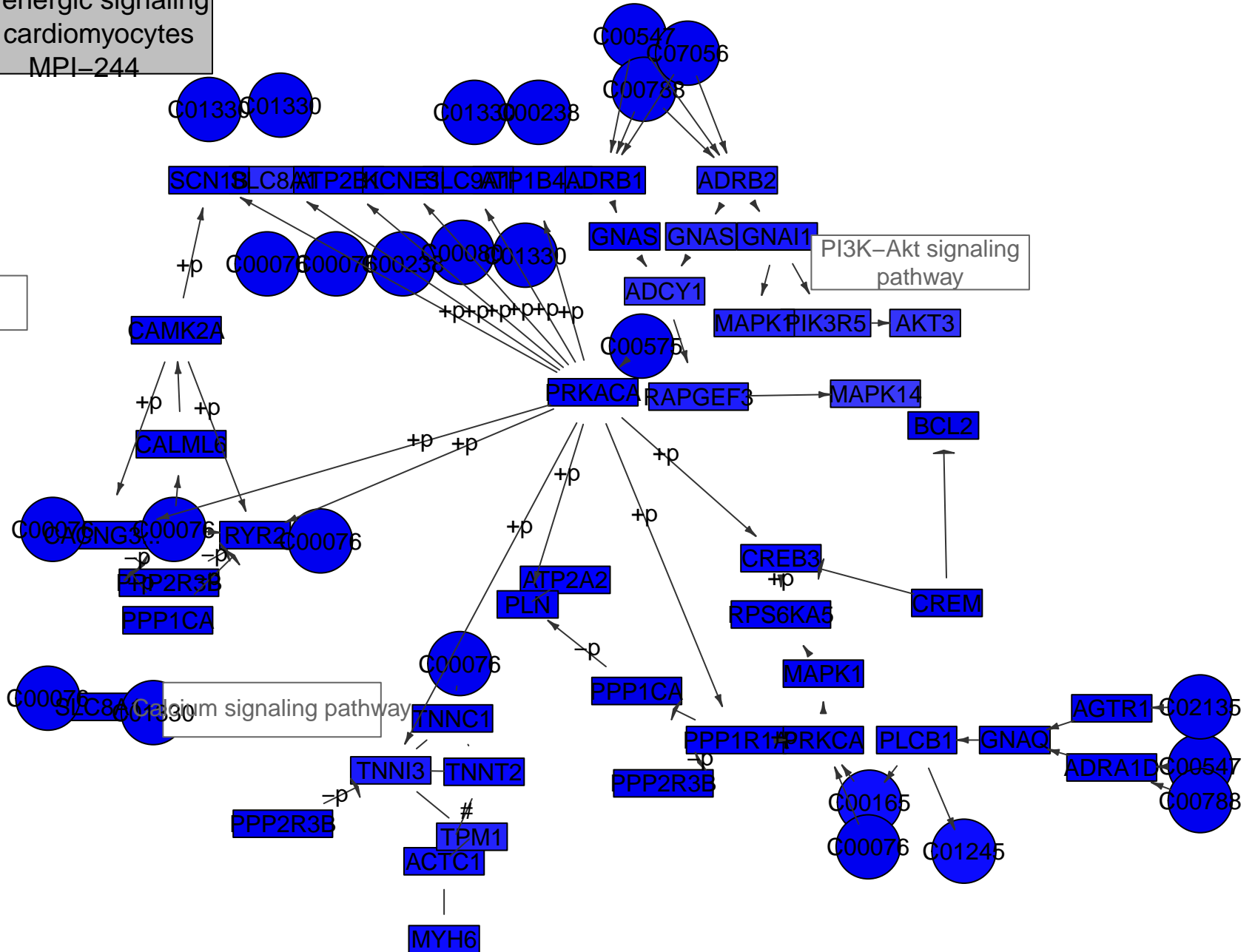
Adrenergic signaling  
in cardiomyocytes  
MPI-243

Cardiac muscle  
contraction



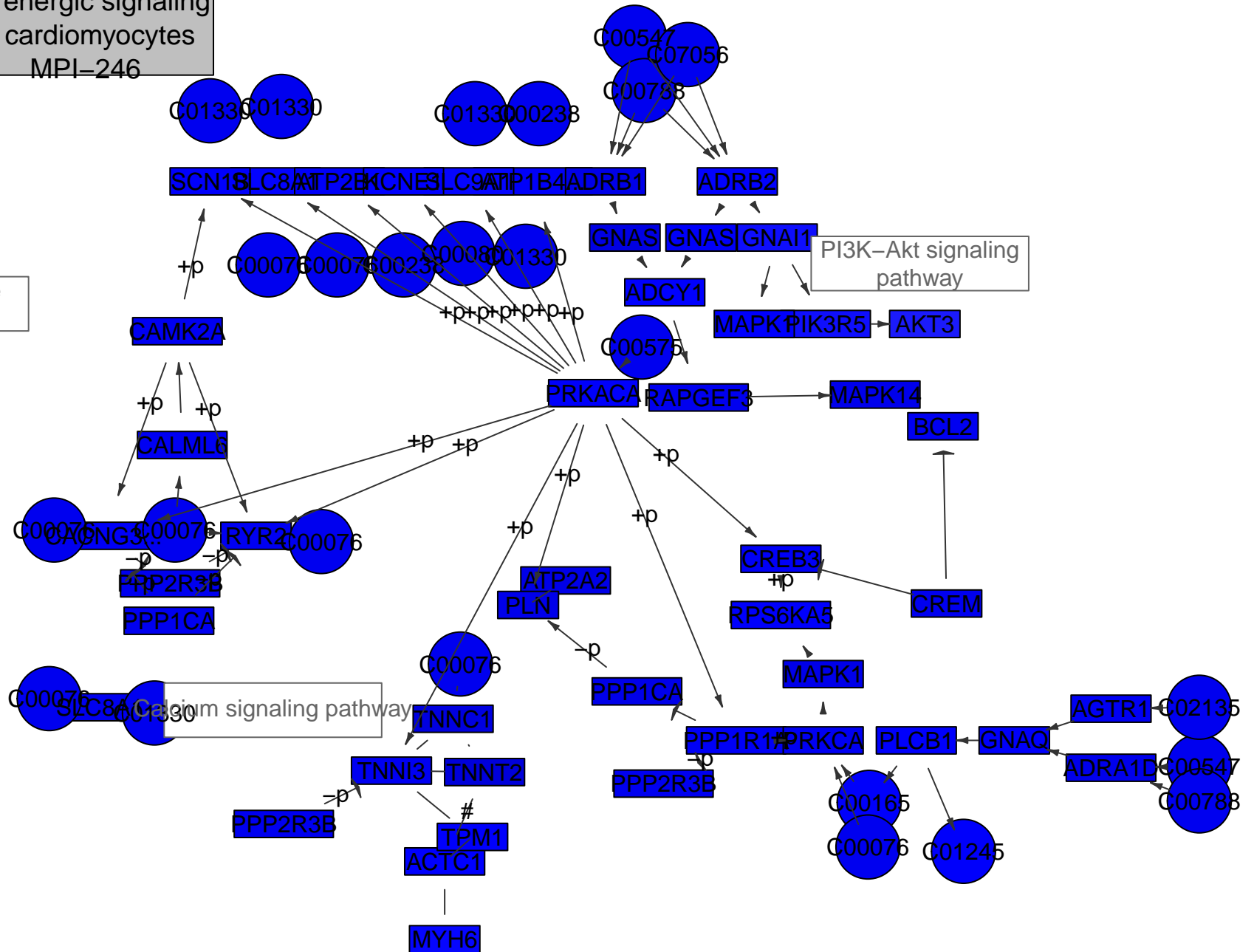
Adrenergic signaling  
in cardiomyocytes  
MPI-244

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-246

Cardiac muscle  
contraction

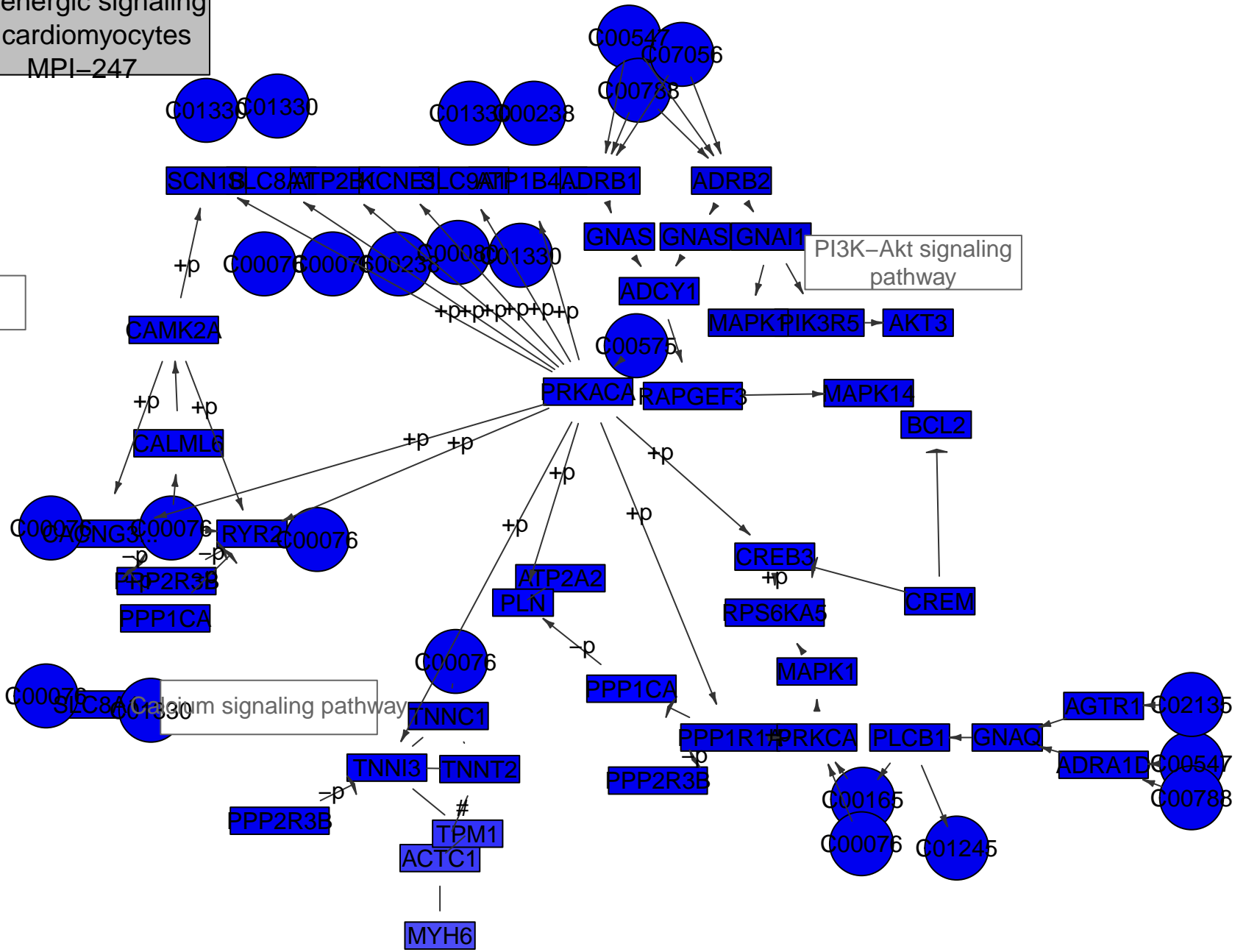


Adrenergic signaling  
in cardiomyocytes  
MPI-247

Cardiac muscle  
contraction

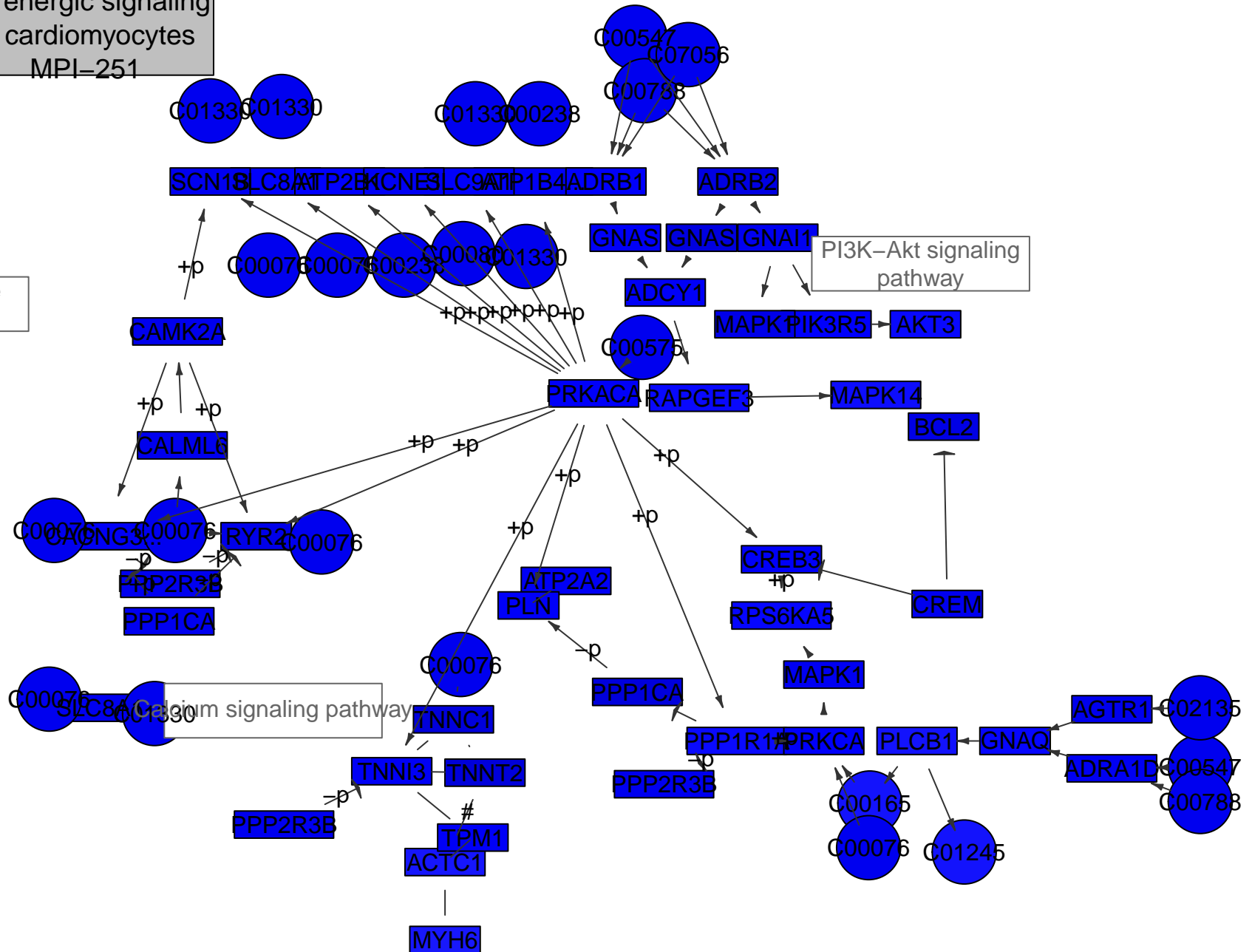
PI3K-Akt signaling  
pathway

Calcium signaling pathway



Adrenergic signaling  
in cardiomyocytes  
MPI-251

Cardiac muscle  
contraction



Adrenergic signaling  
in cardiomyocytes  
MPI-255

Cardiac muscle  
contraction

