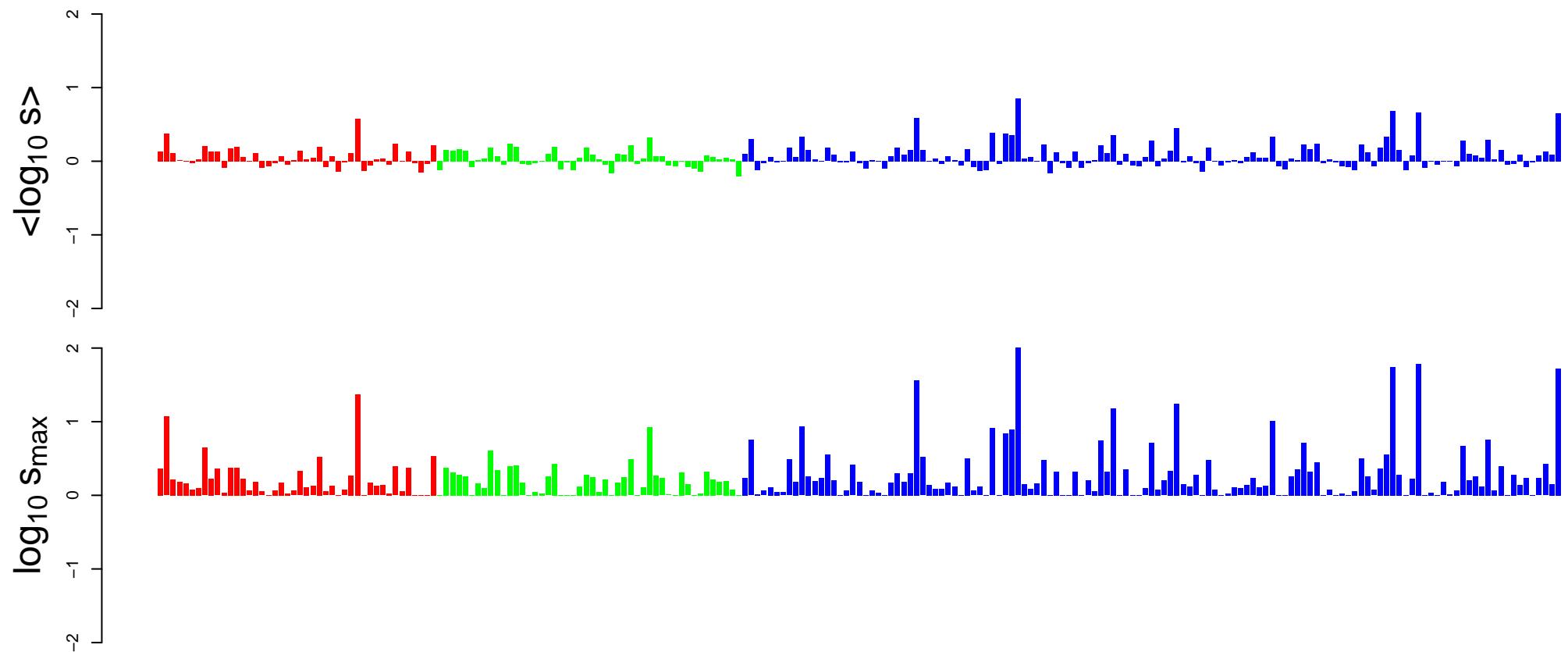
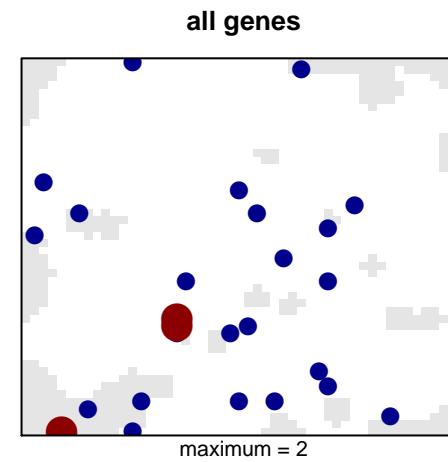
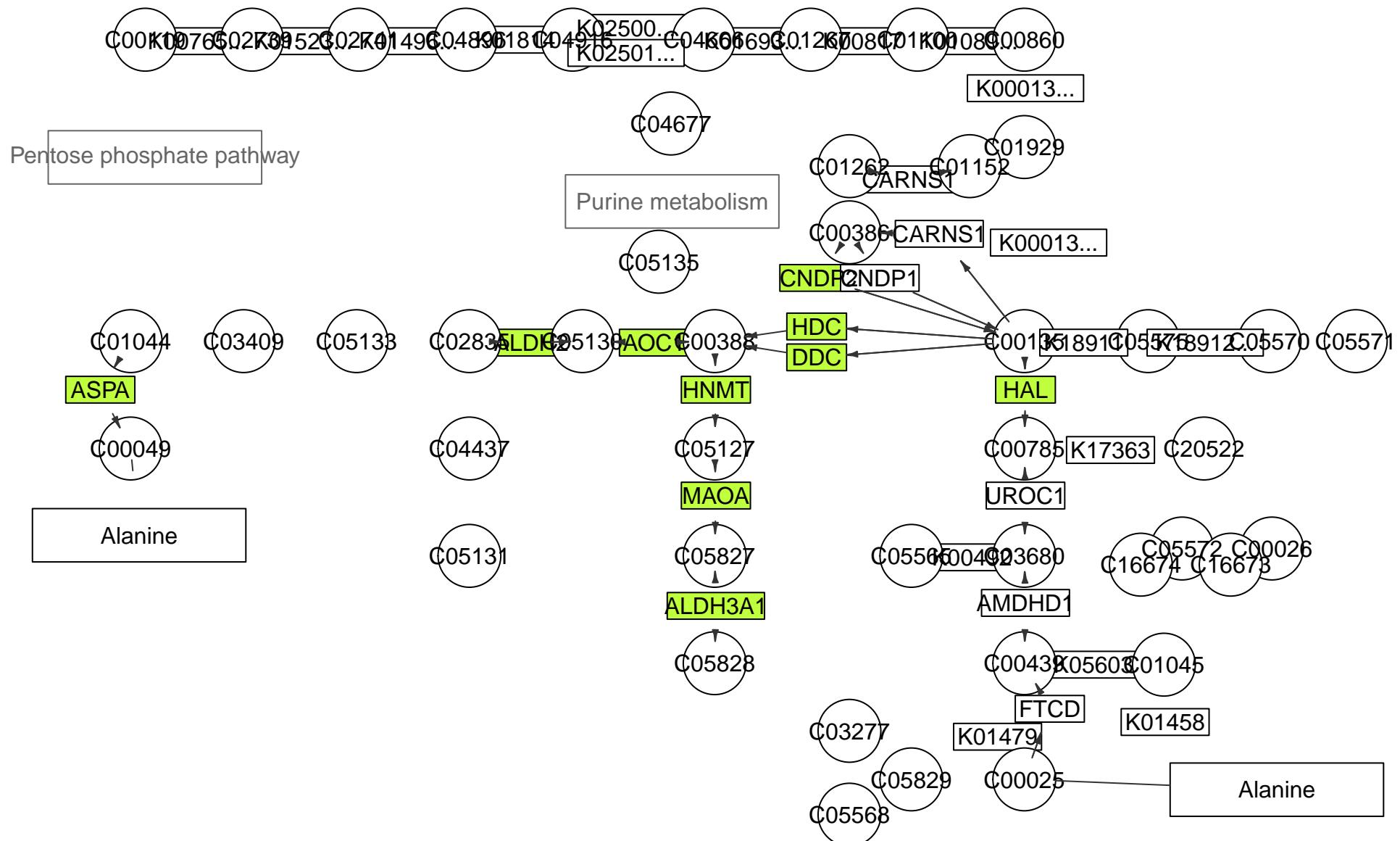


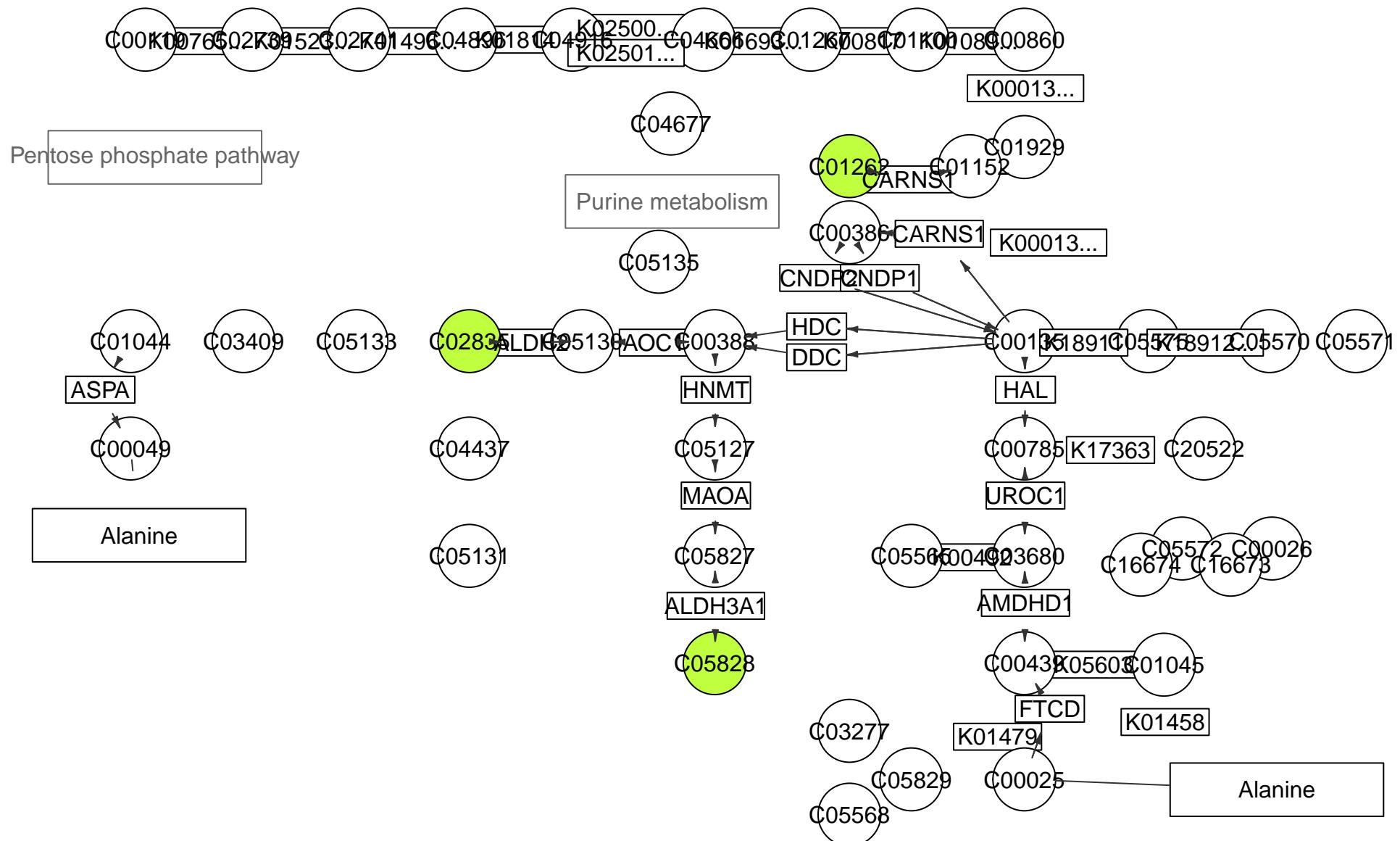
# Histidine metabolism



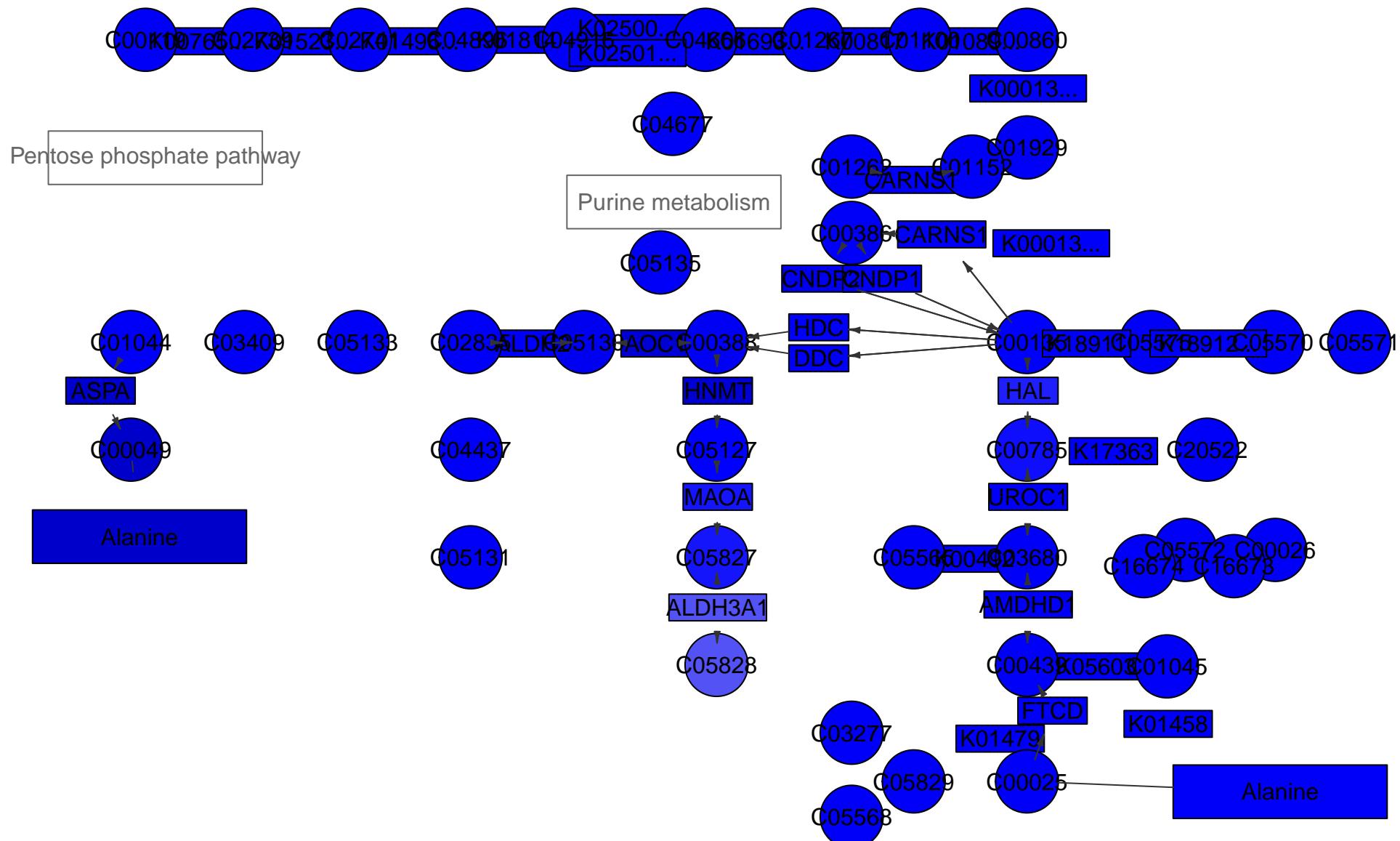
Histidine metabolism  
(genes with data)



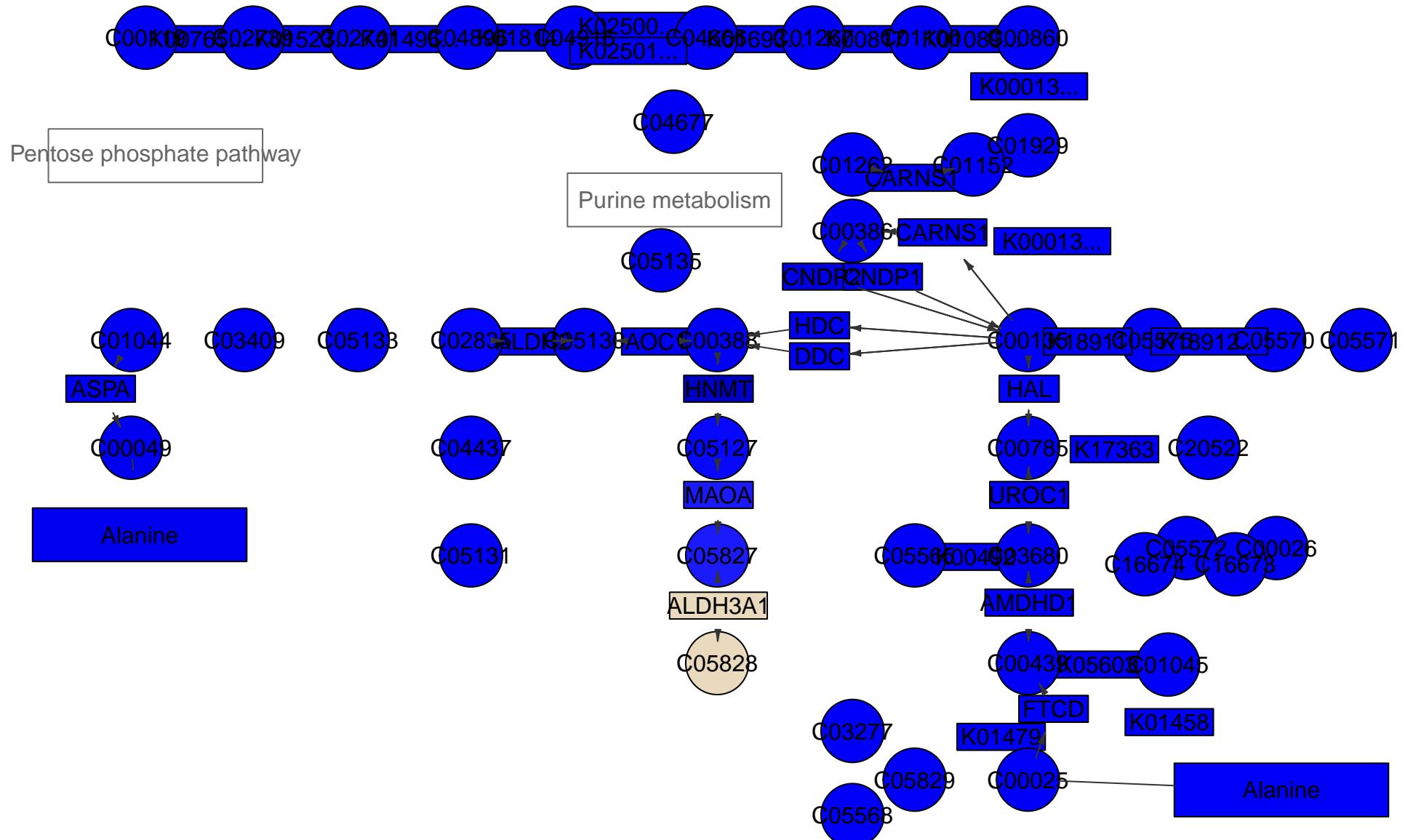
## Histidine metabolism (sink nodes)



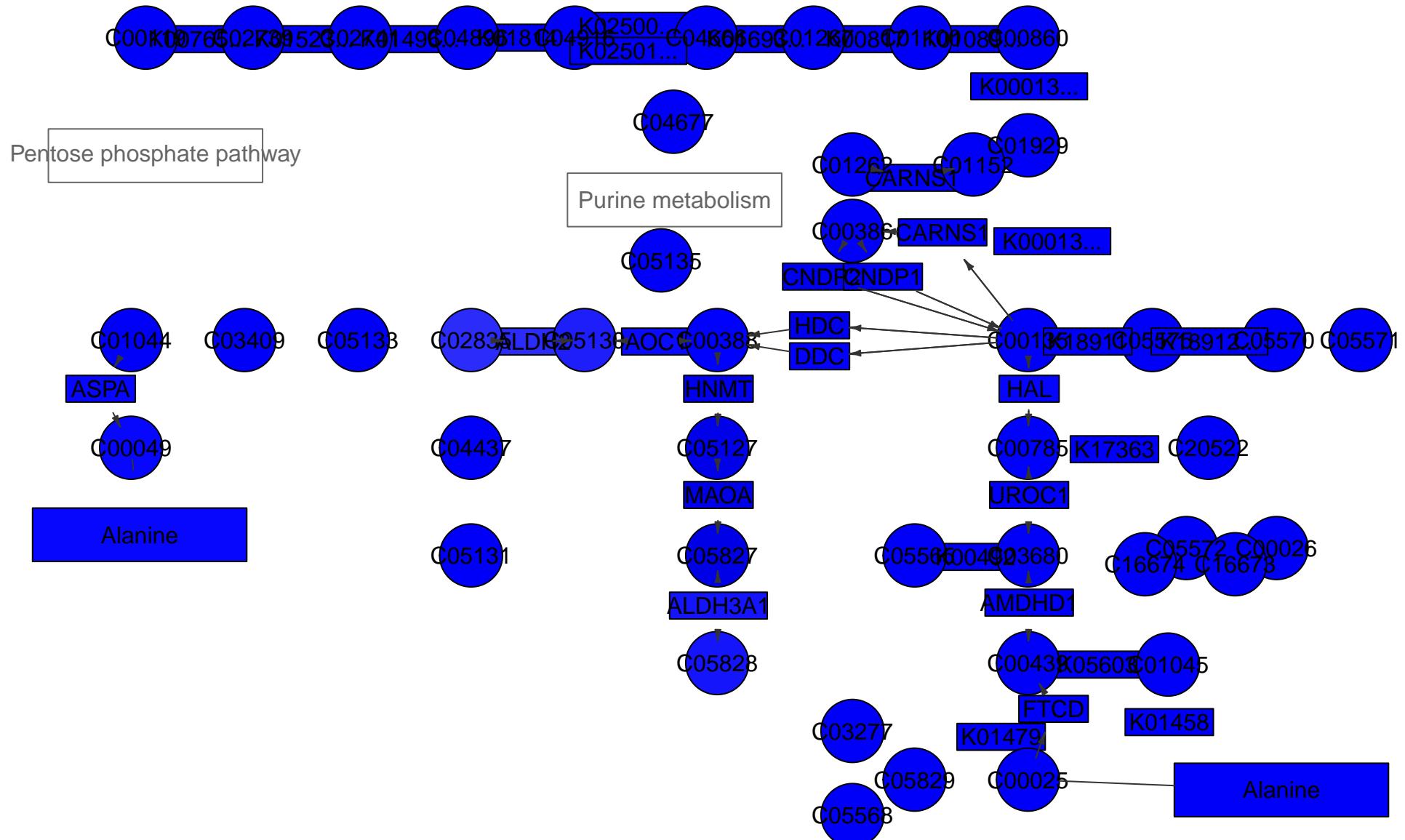
Histidine metabolism  
MPI-001



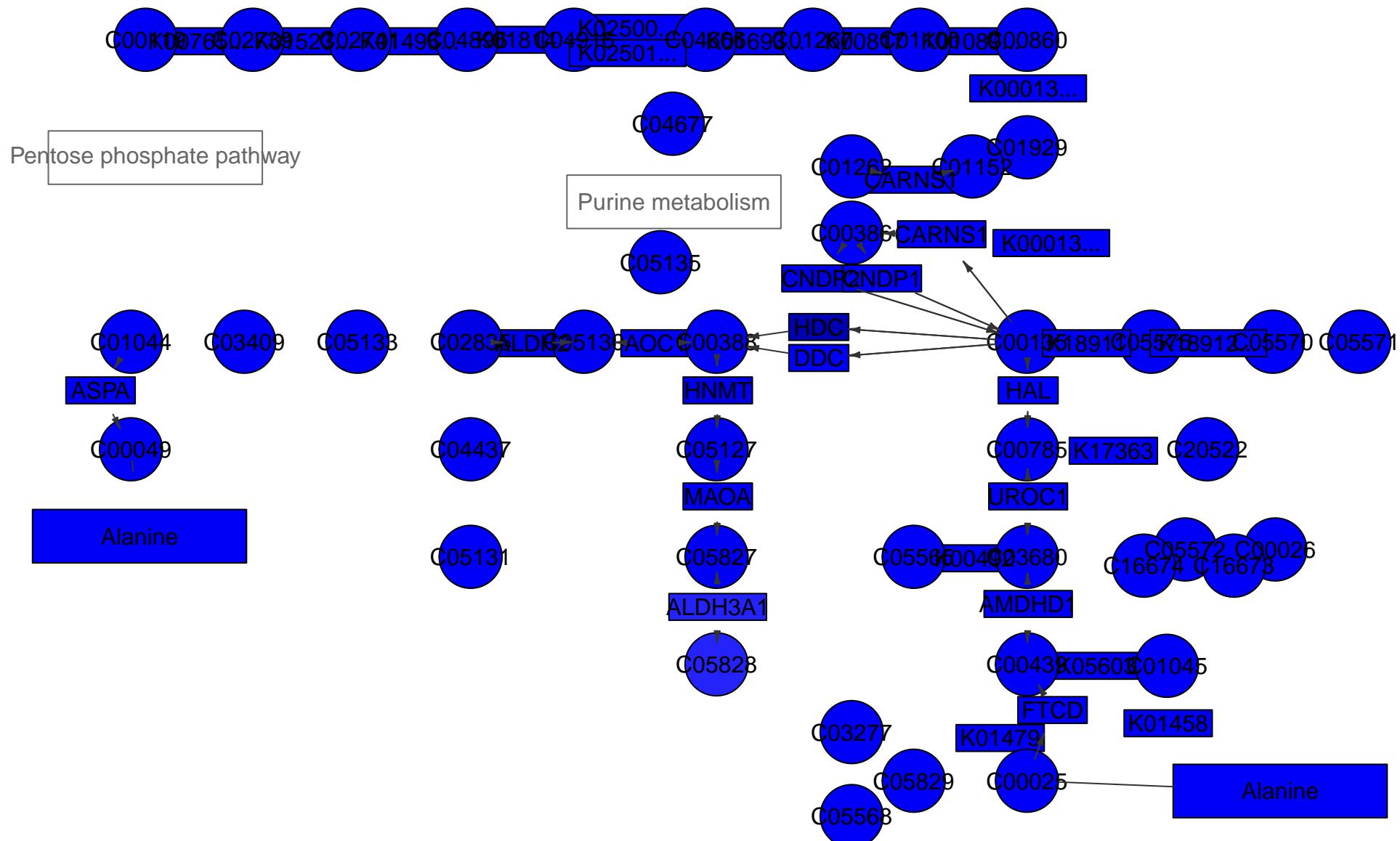
Histidine metabolism  
MPI-002



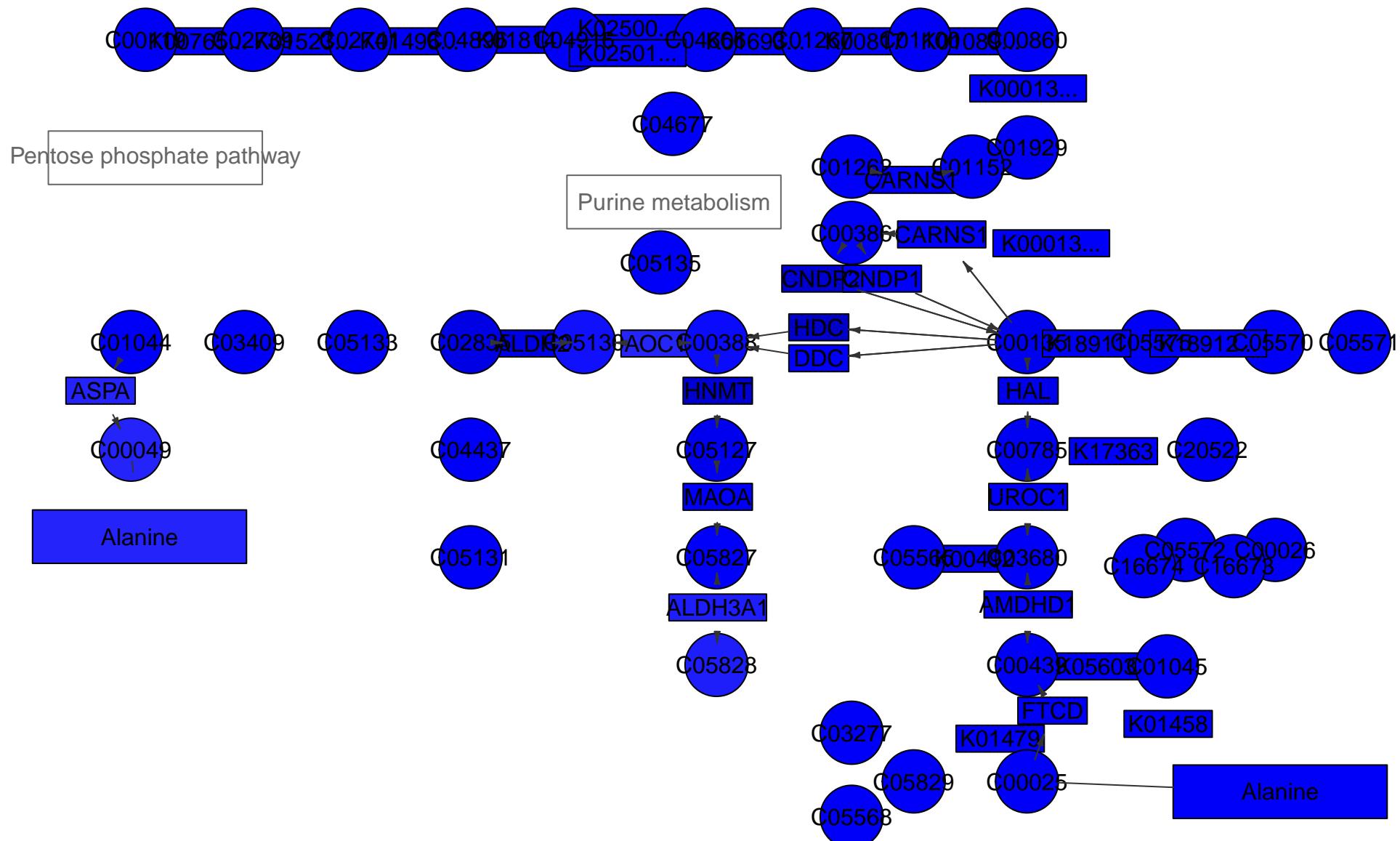
Histidine metabolism  
MPI-003



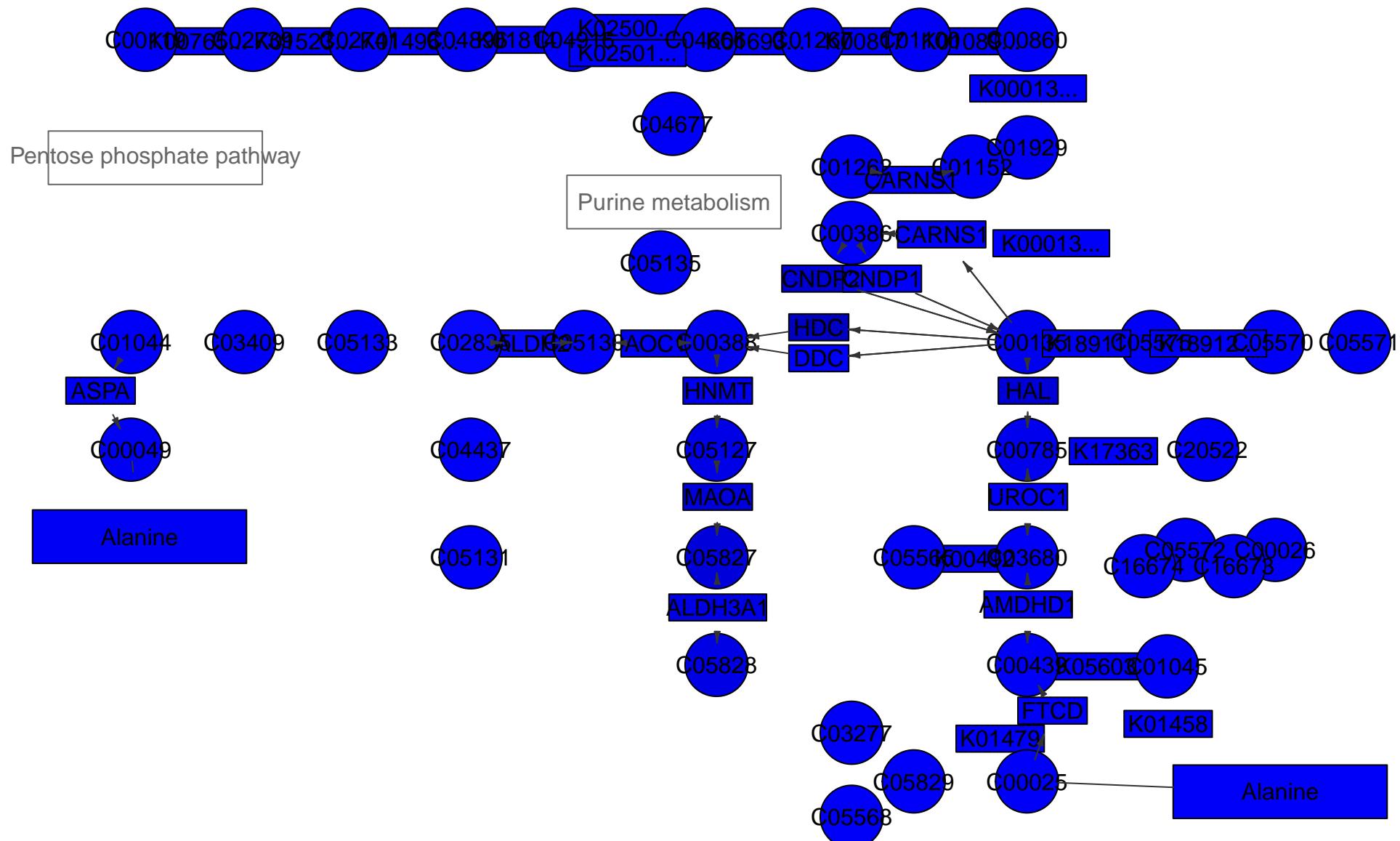
Histidine metabolism  
MPI-005



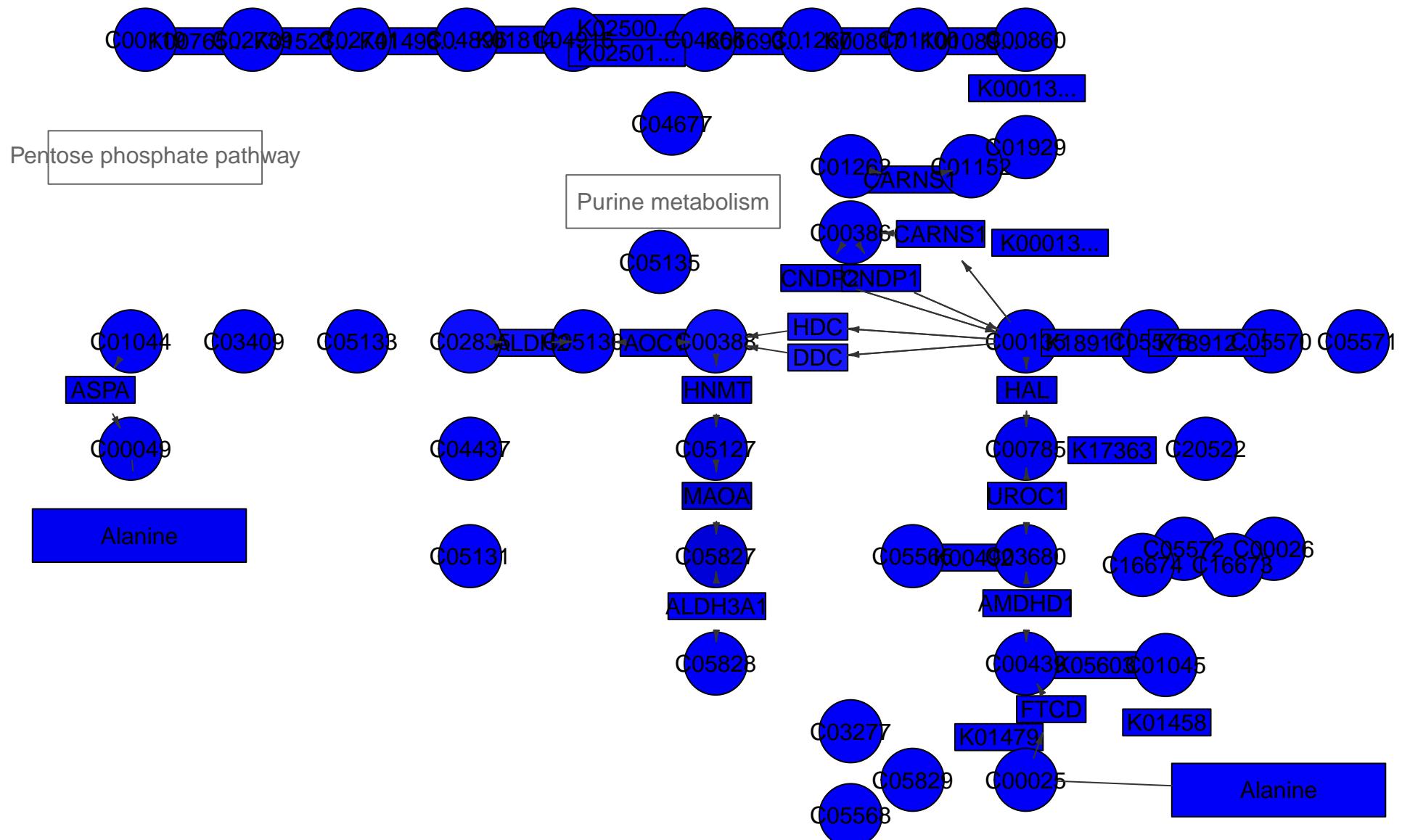
Histidine metabolism  
MPI-006



Histidine metabolism  
MPI-016

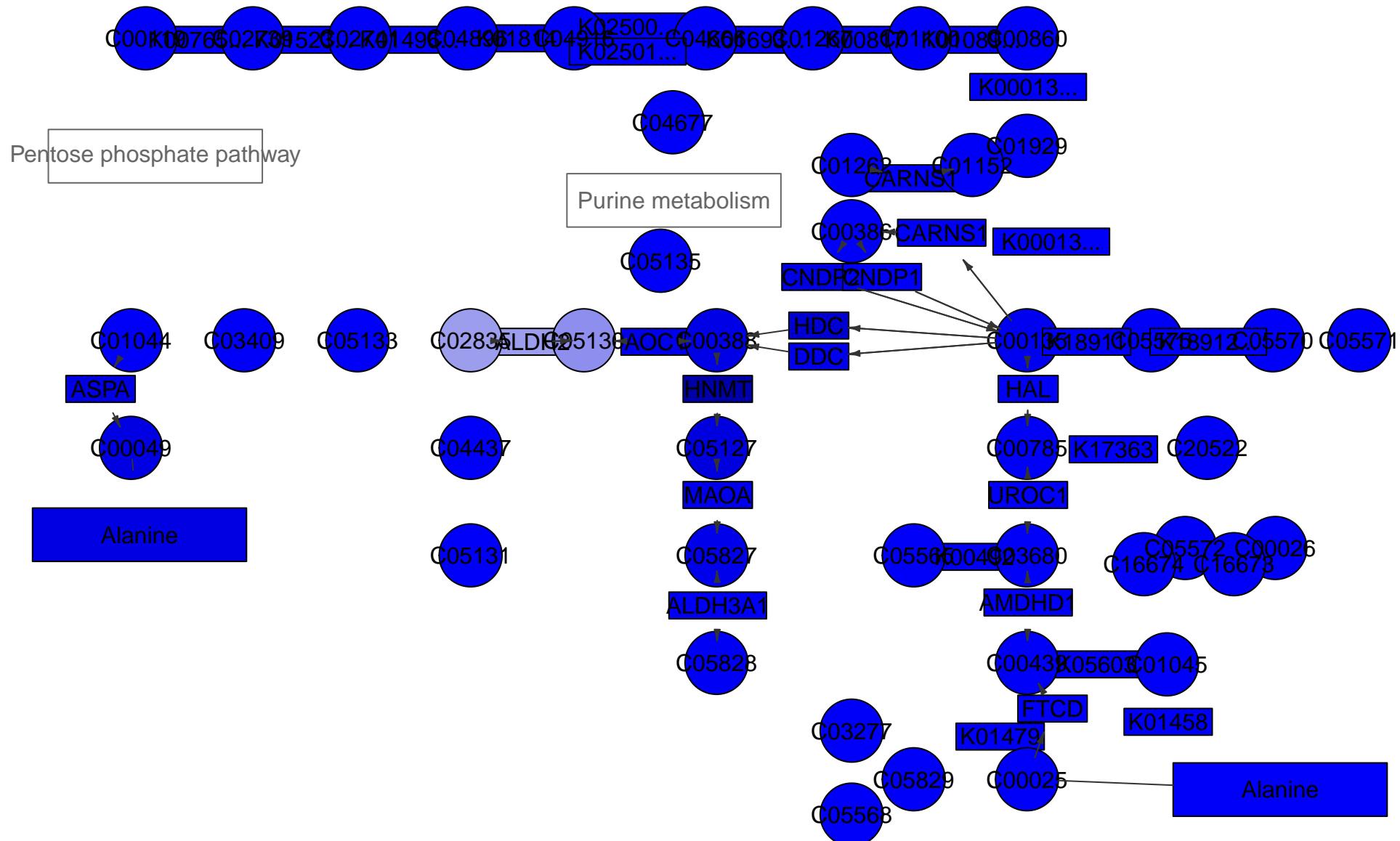


Histidine metabolism  
MPI-017



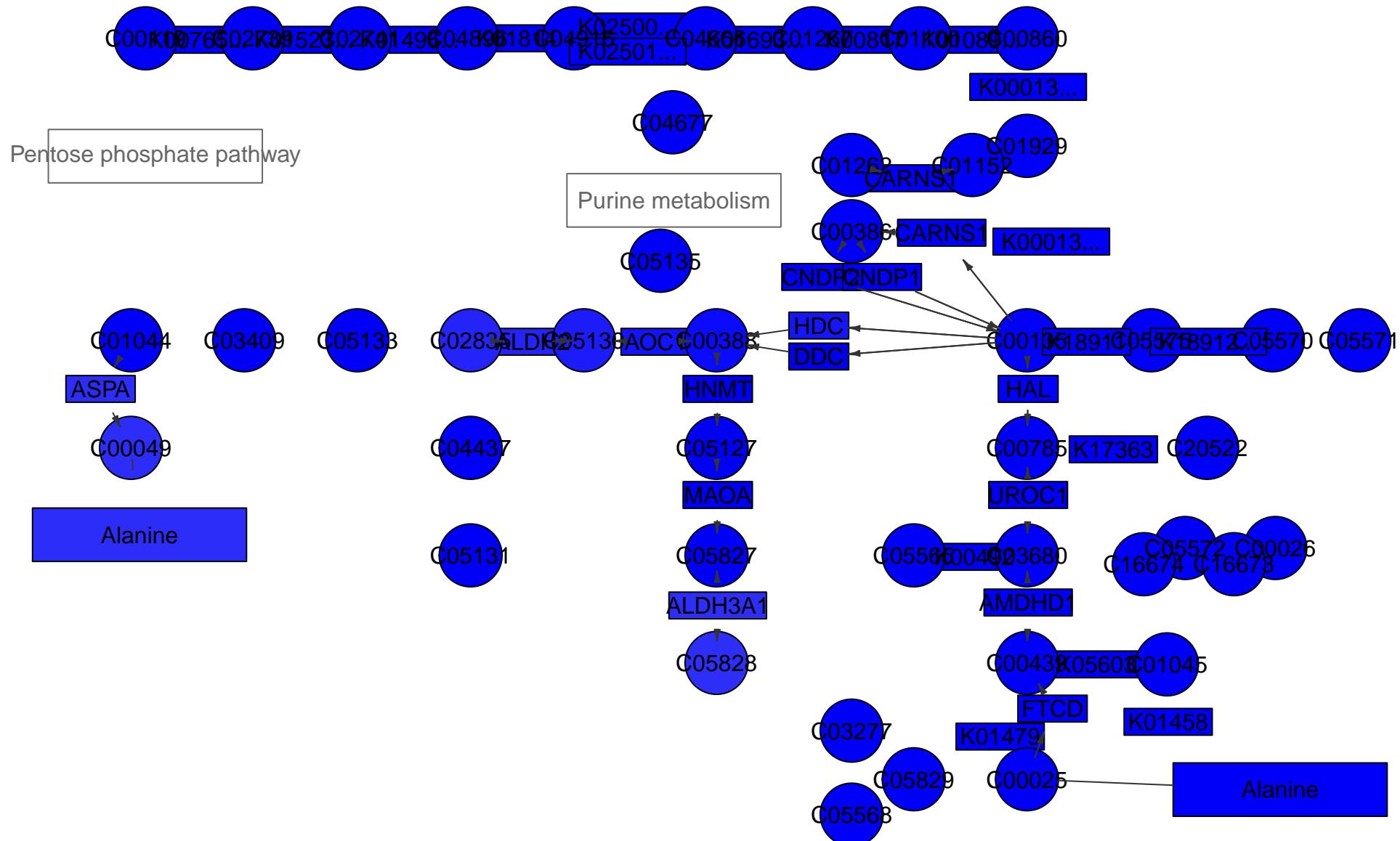
# Histidine metabolism

## MPI-018

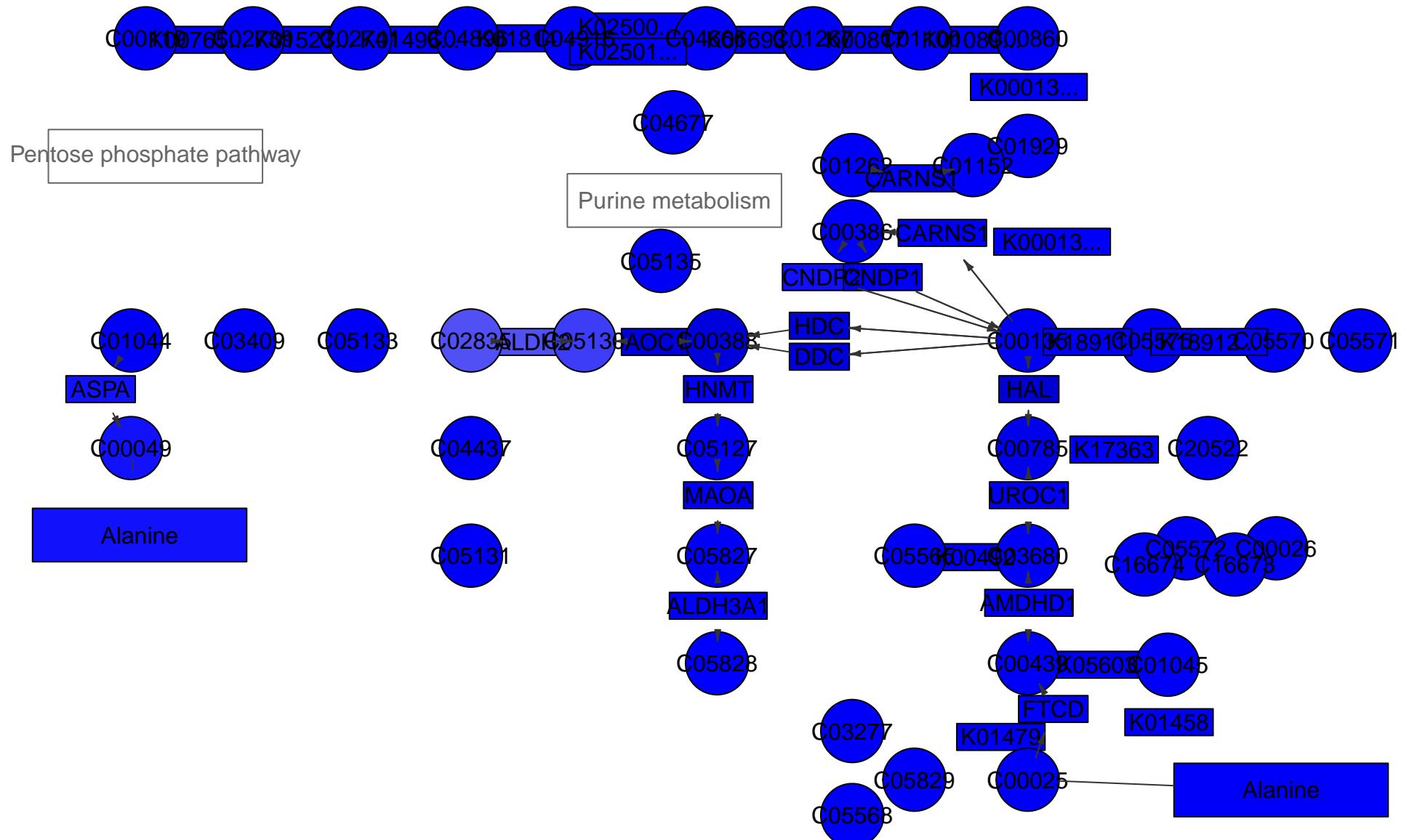


# Histidine metabolism

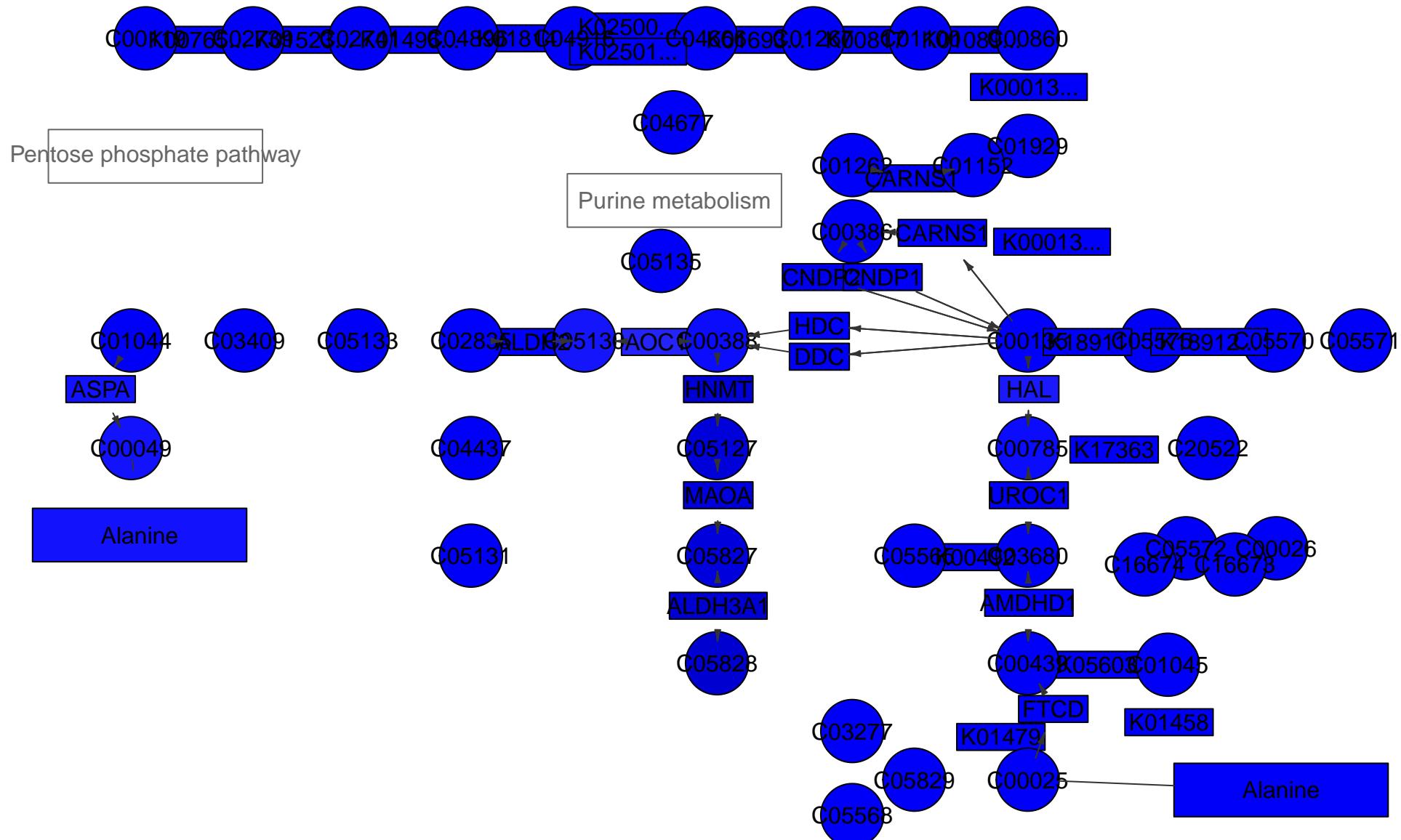
## MPI-027



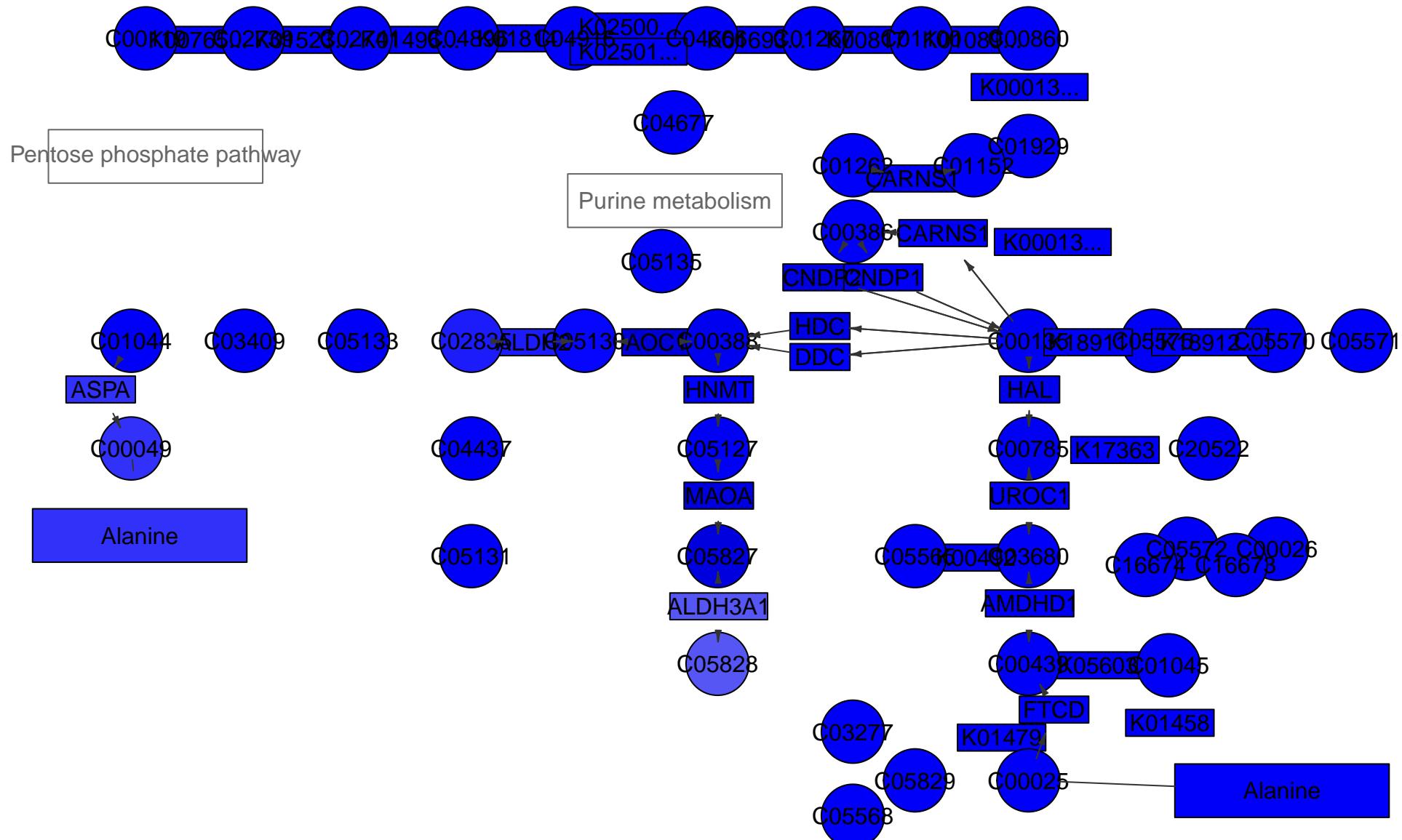
Histidine metabolism  
MPI-028



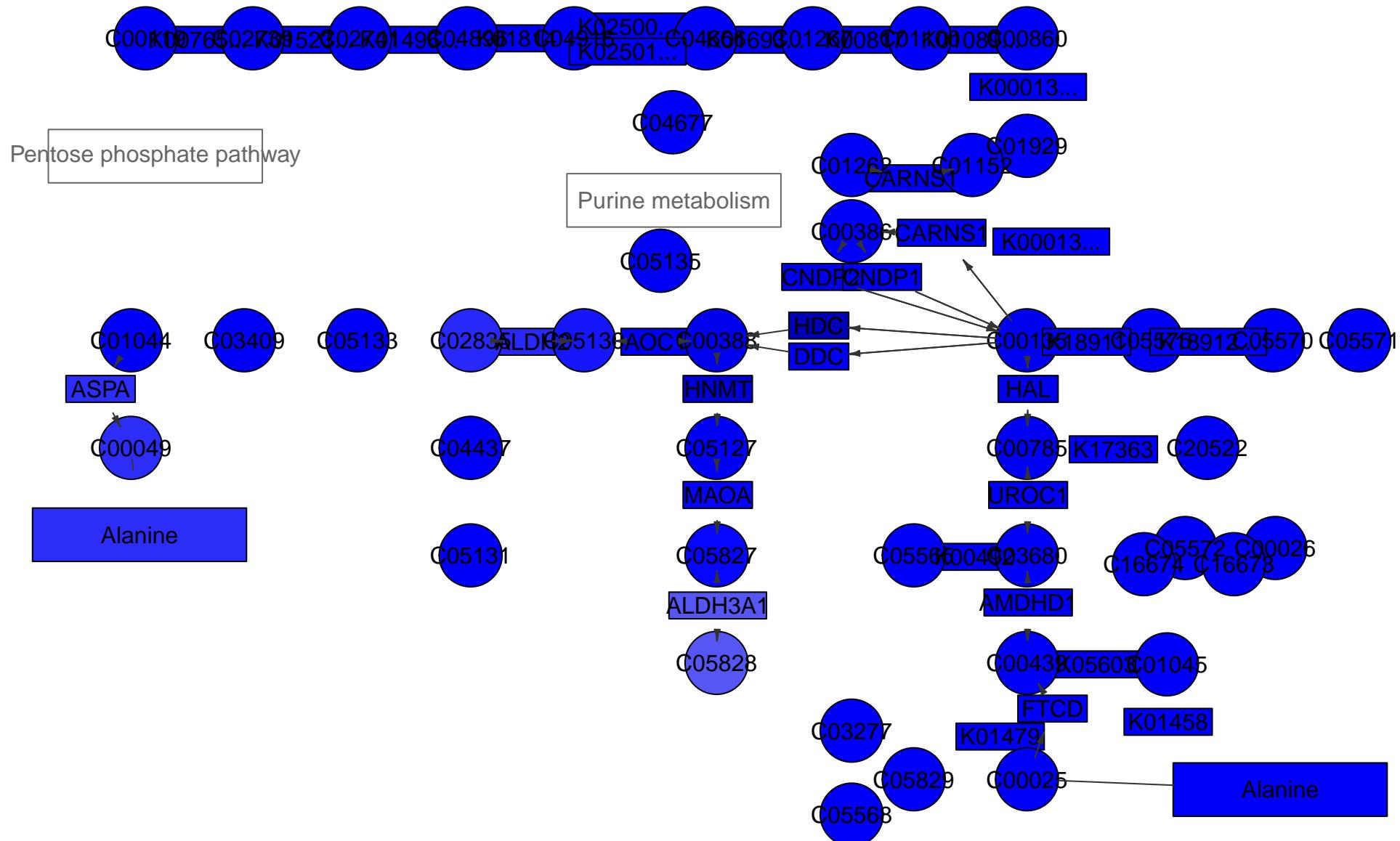
Histidine metabolism  
MPI-032



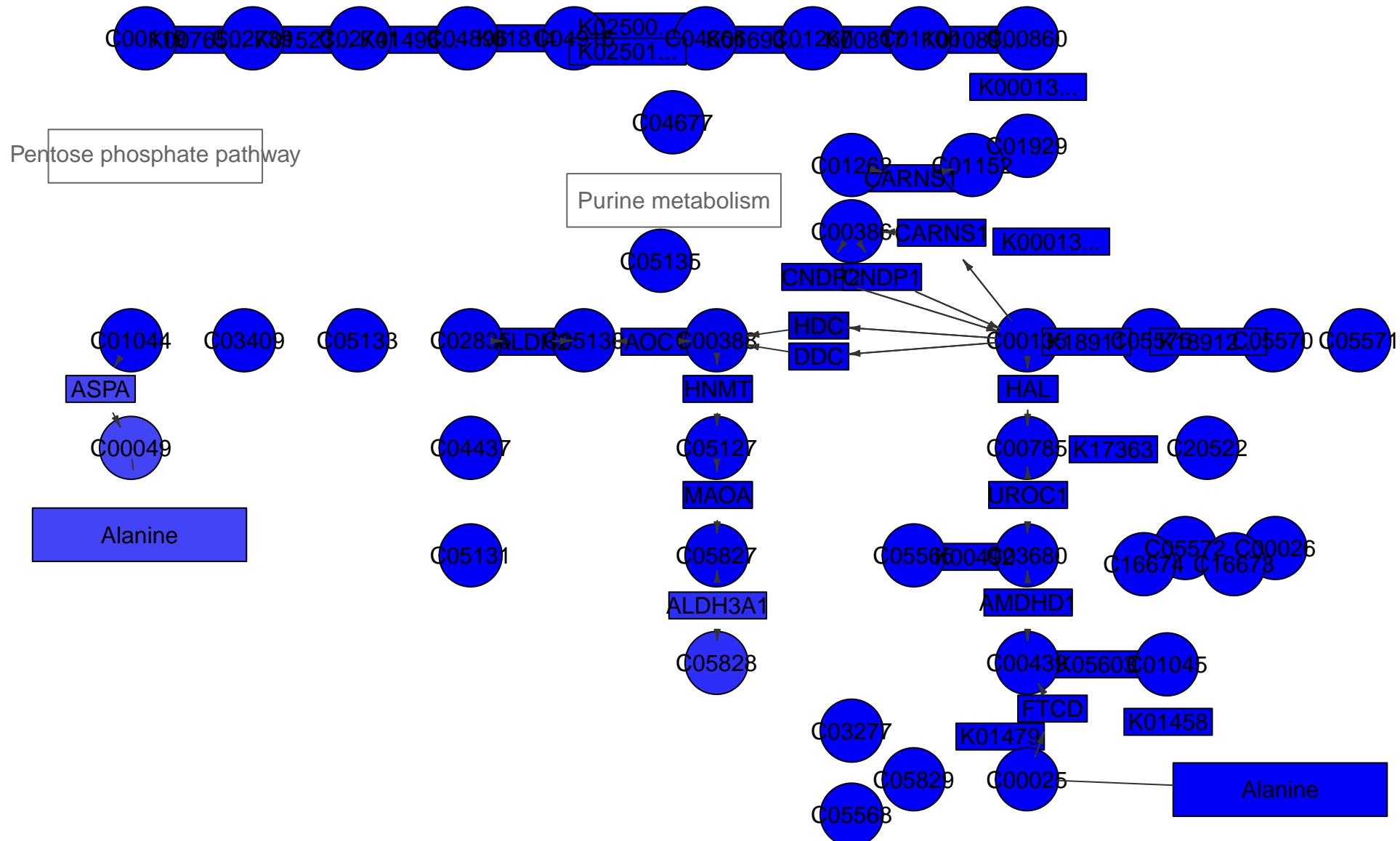
Histidine metabolism  
MPI-033



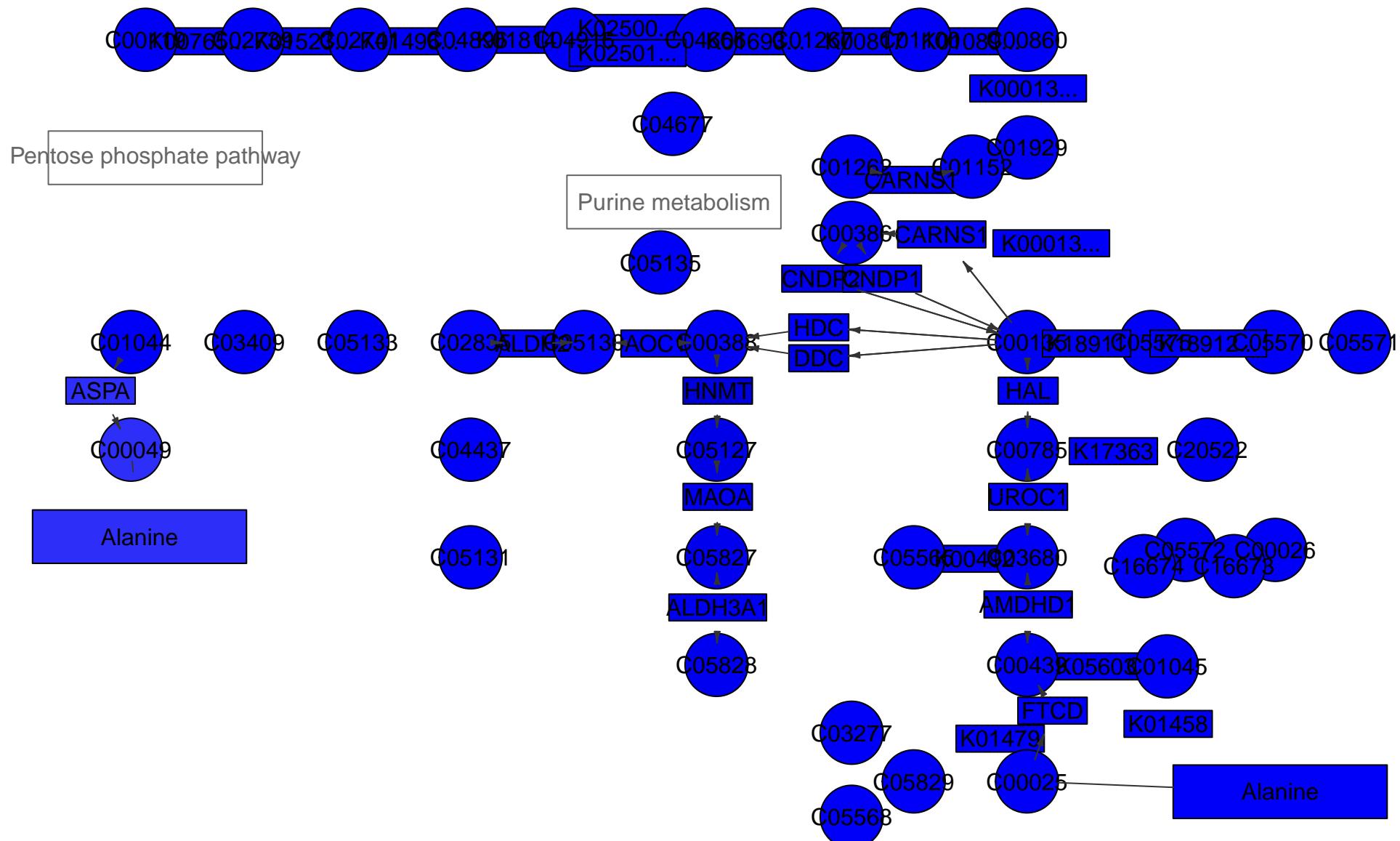
Histidine metabolism  
MPI-034



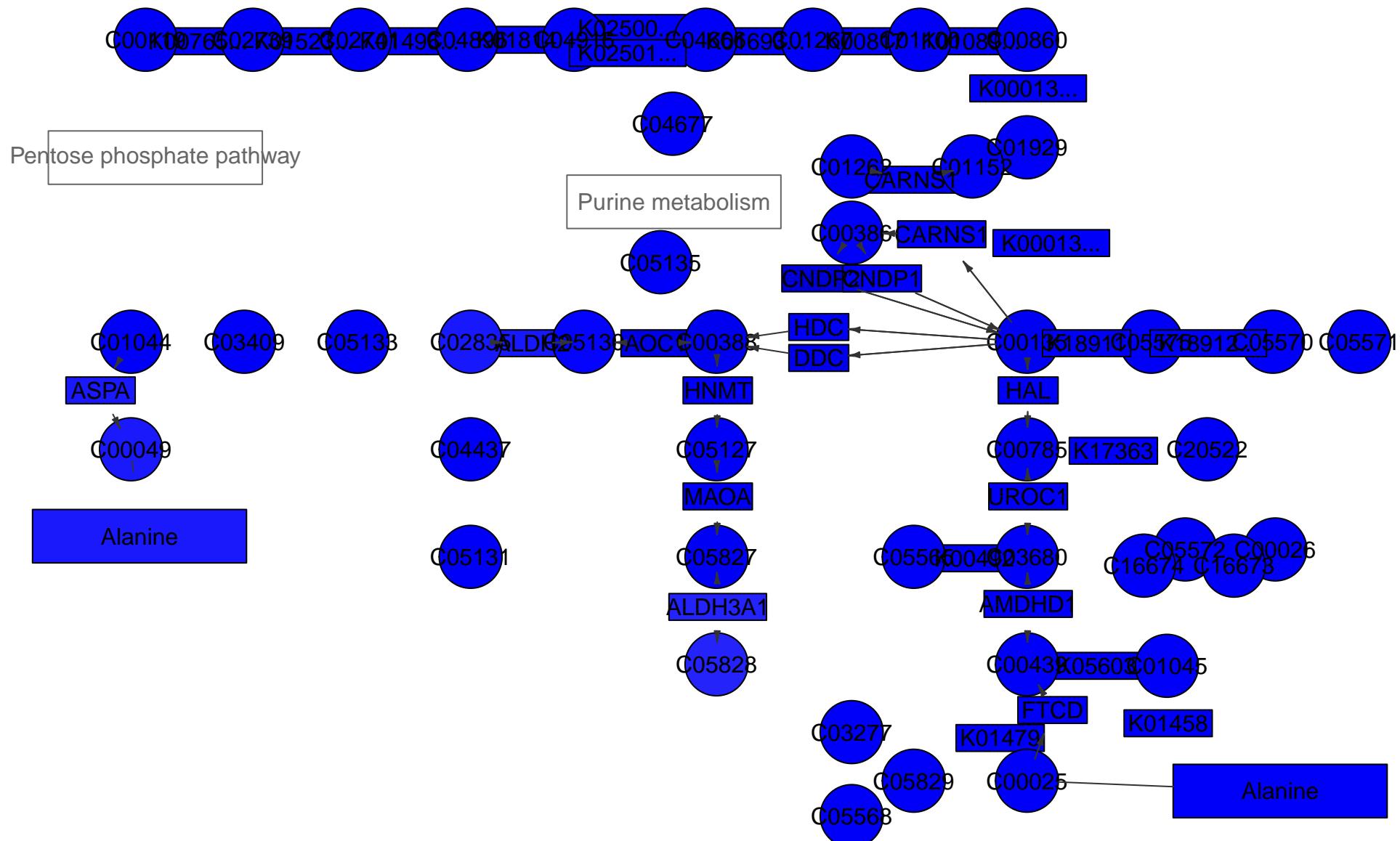
Histidine metabolism  
MPI-043



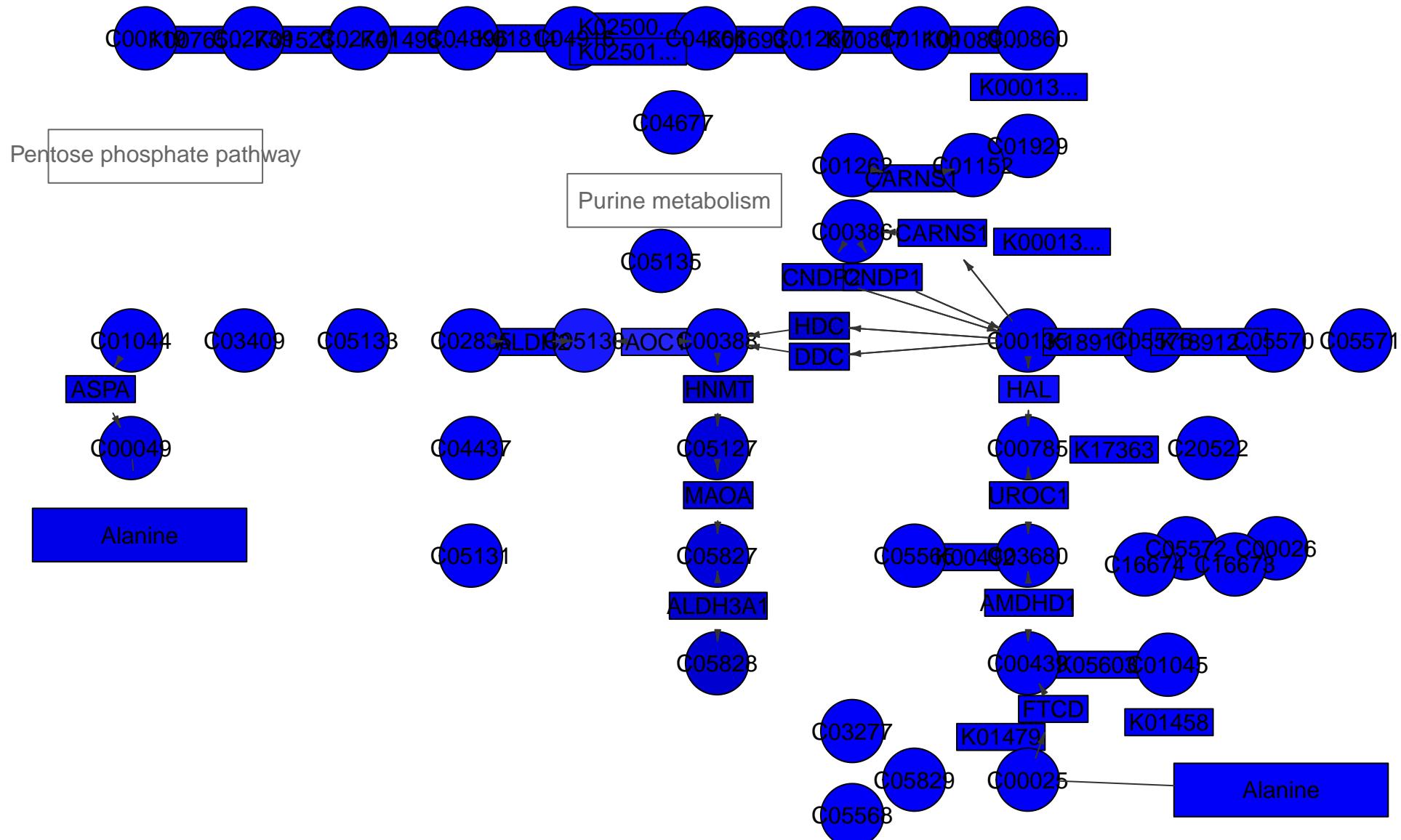
Histidine metabolism  
MPI-044



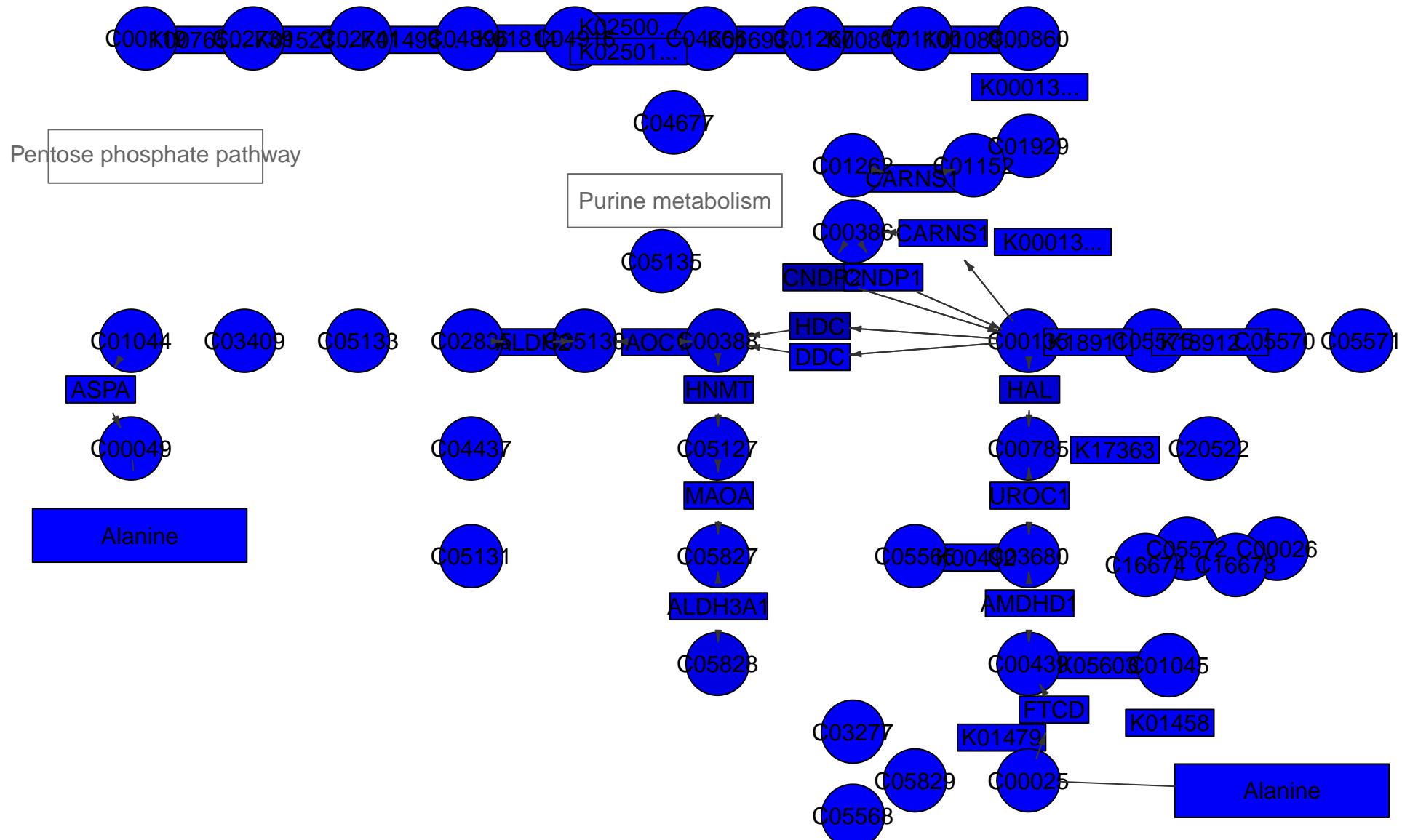
Histidine metabolism  
MPI-048



Histidine metabolism  
MPI-055

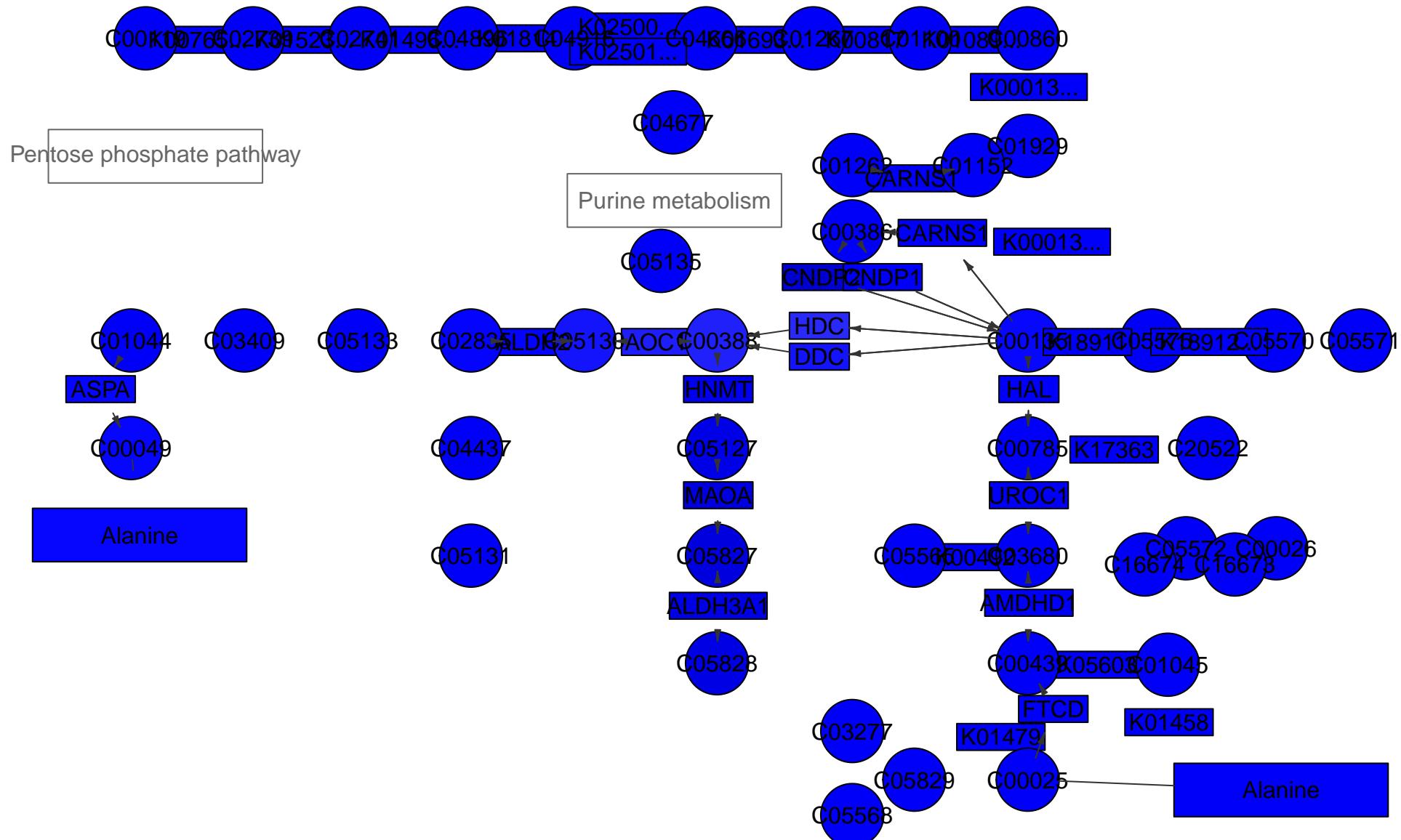


Histidine metabolism  
MPI-065

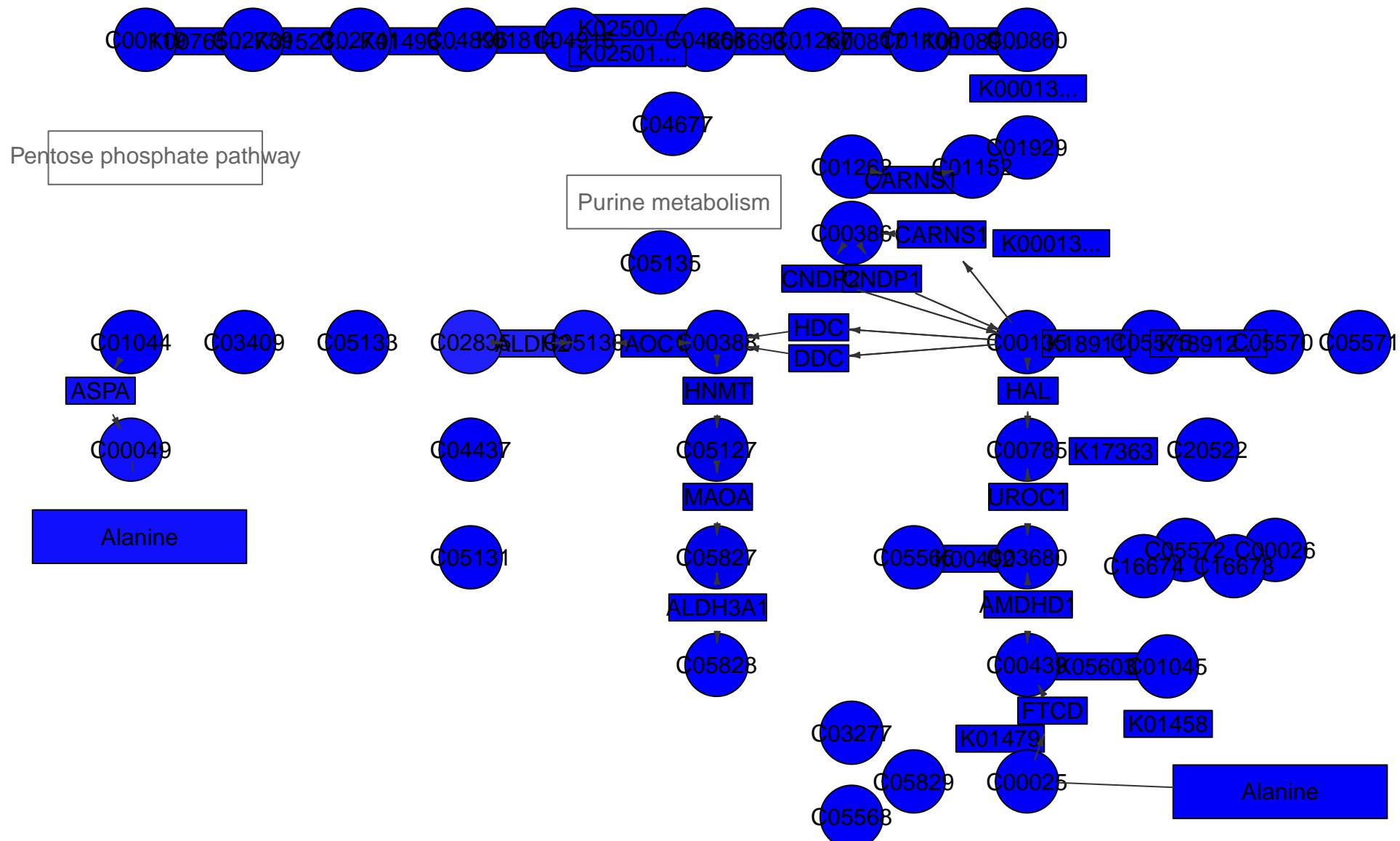


# Histidine metabolism

## MPI-071

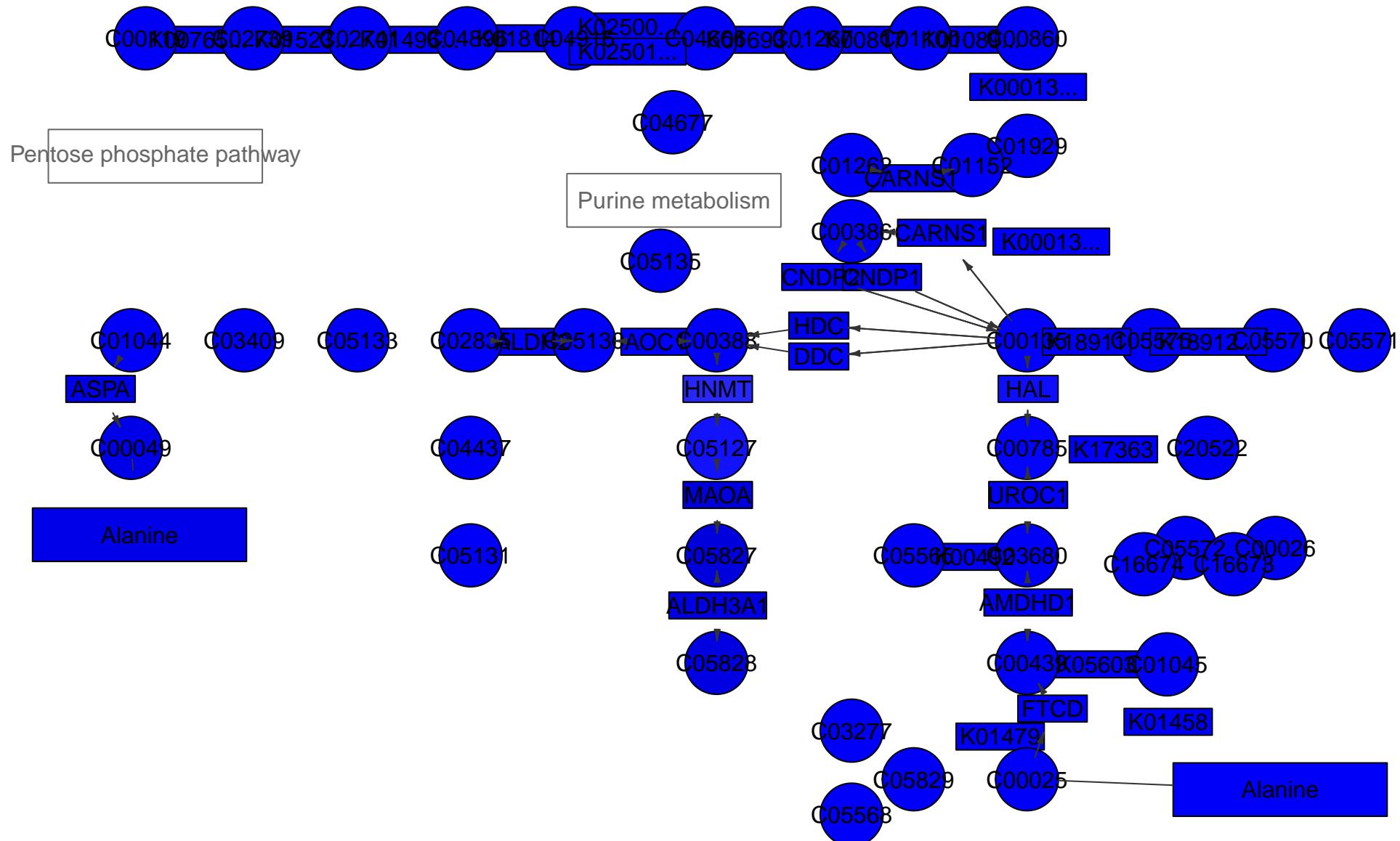


Histidine metabolism  
MPI-075

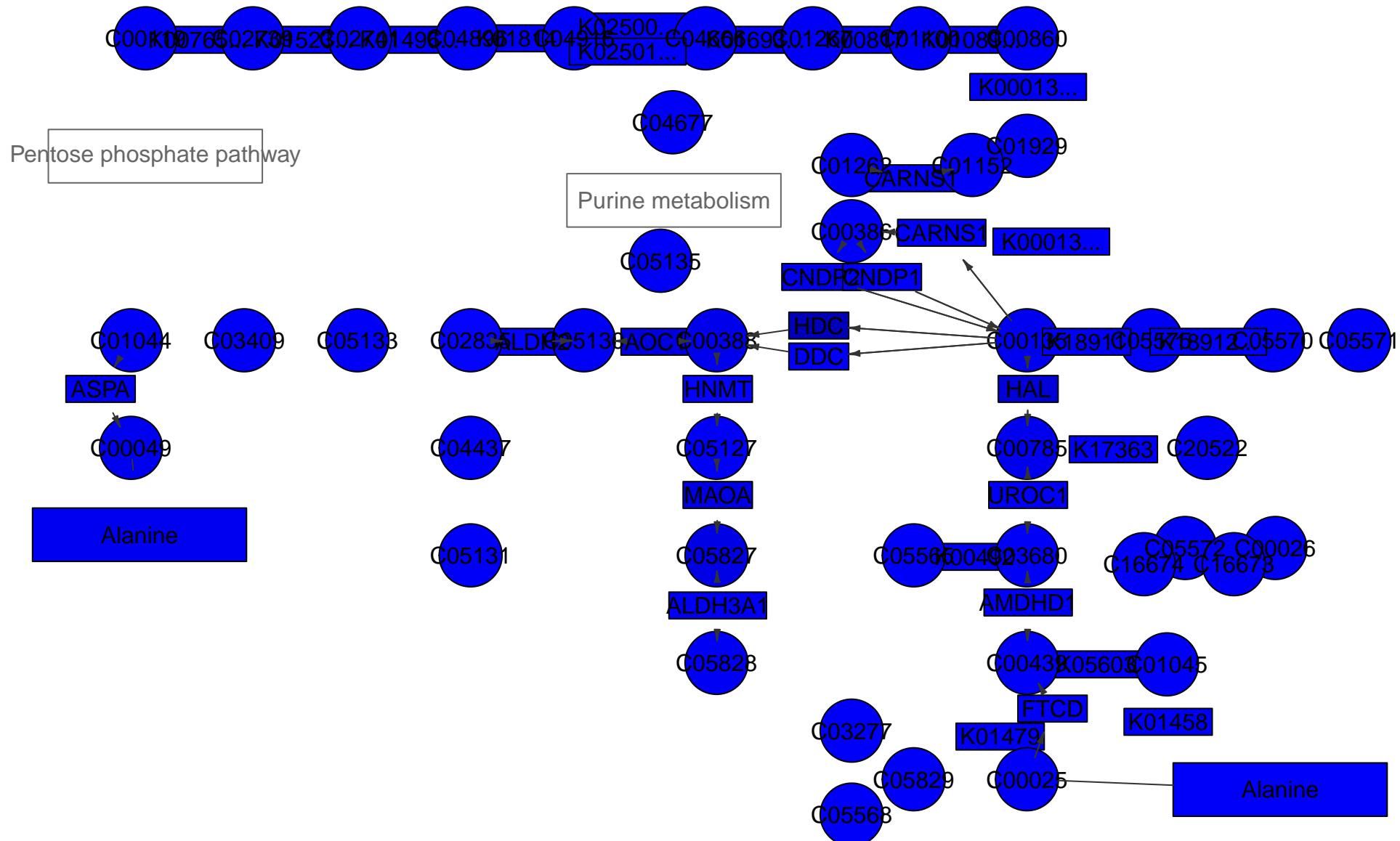


# Histidine metabolism

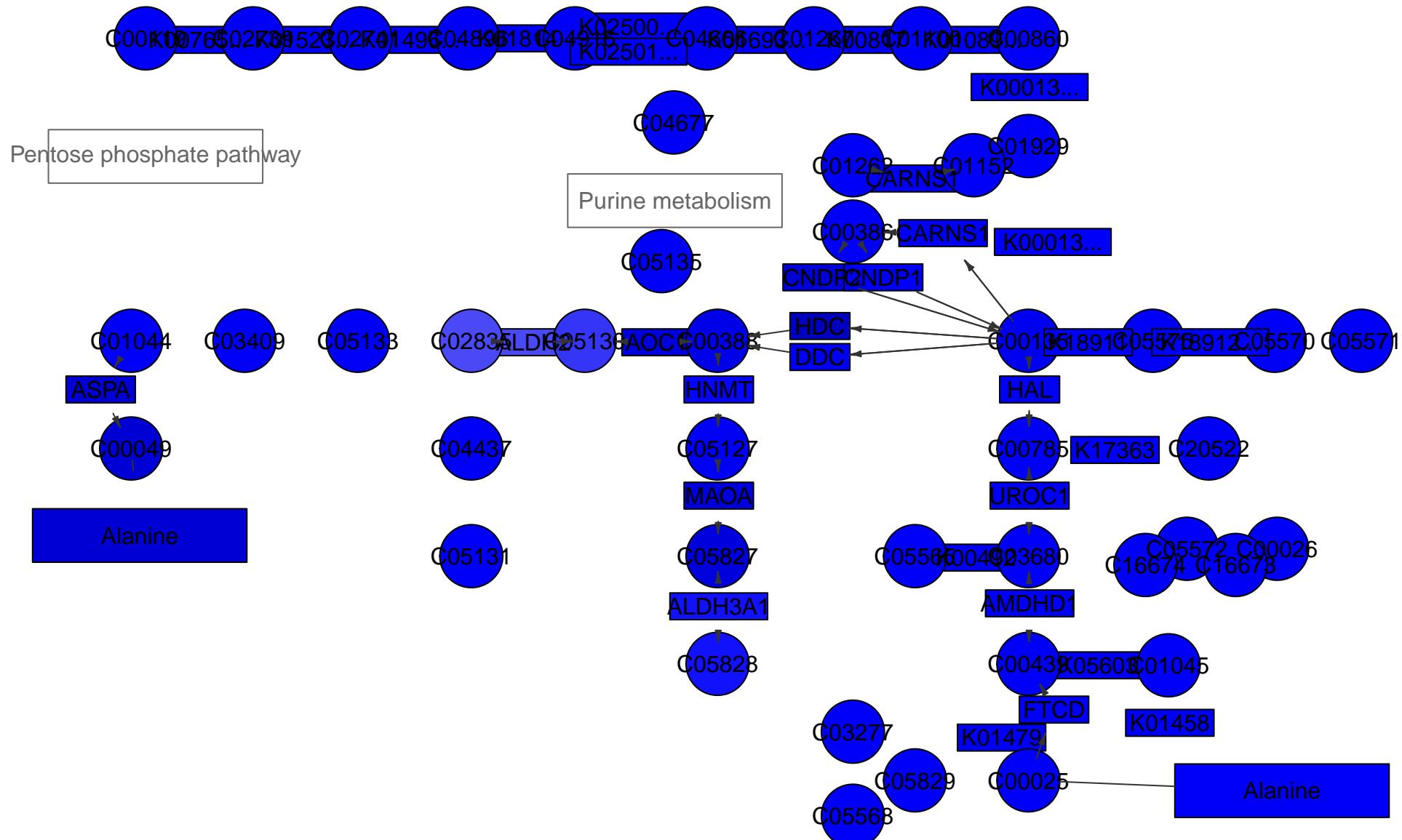
## MPI-077



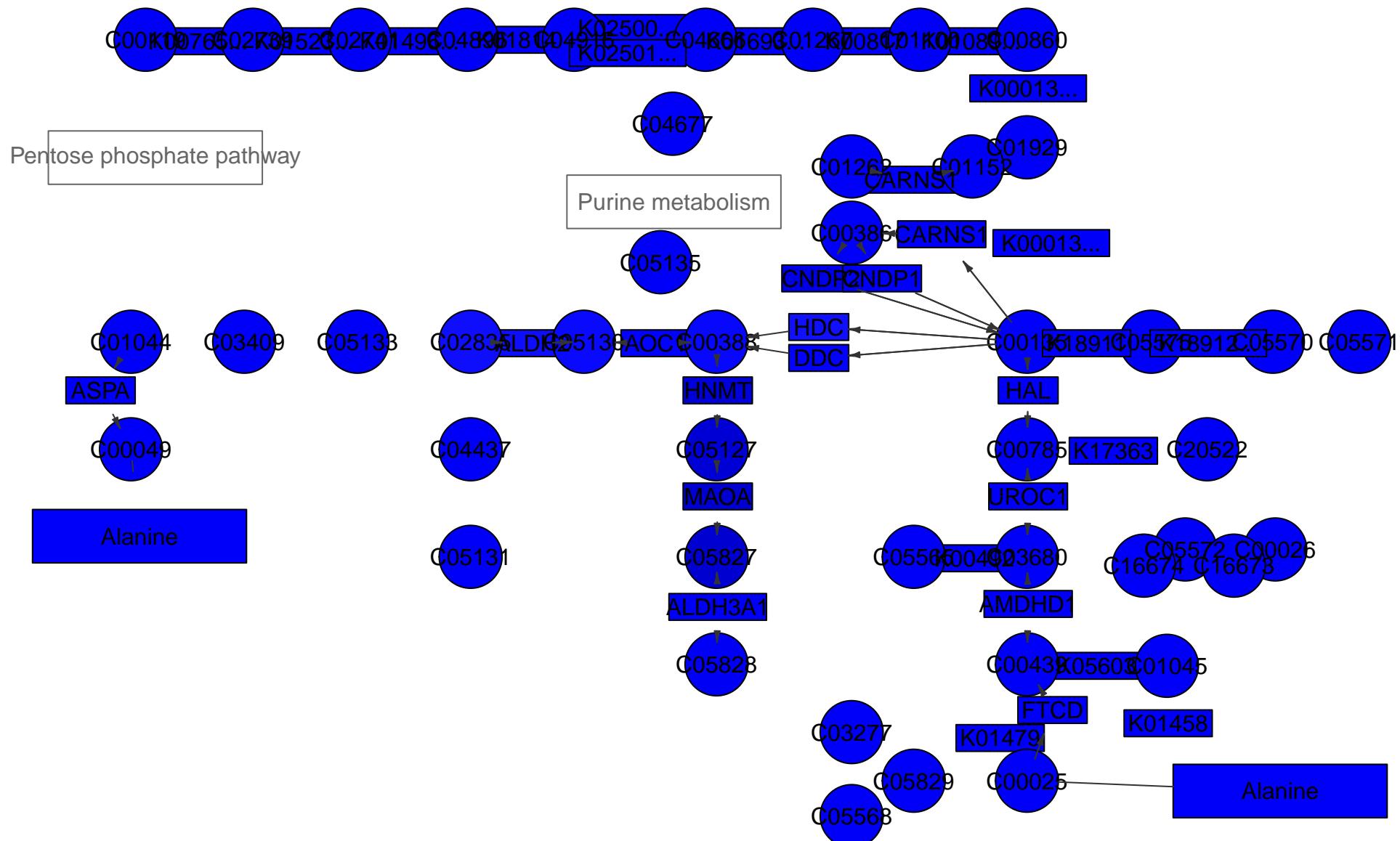
Histidine metabolism  
MPI-078



Histidine metabolism  
MPI-079

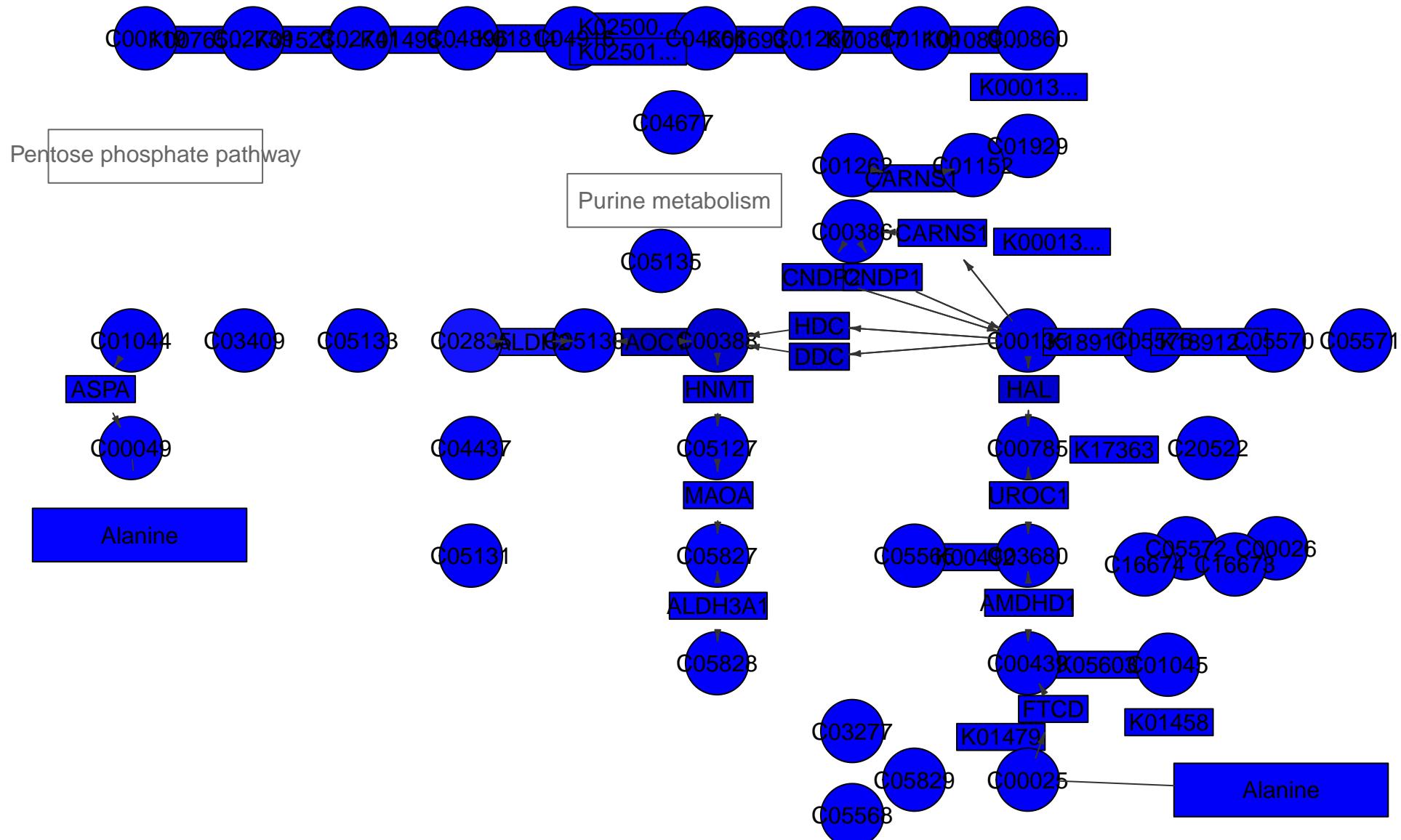


Histidine metabolism  
MPI-080

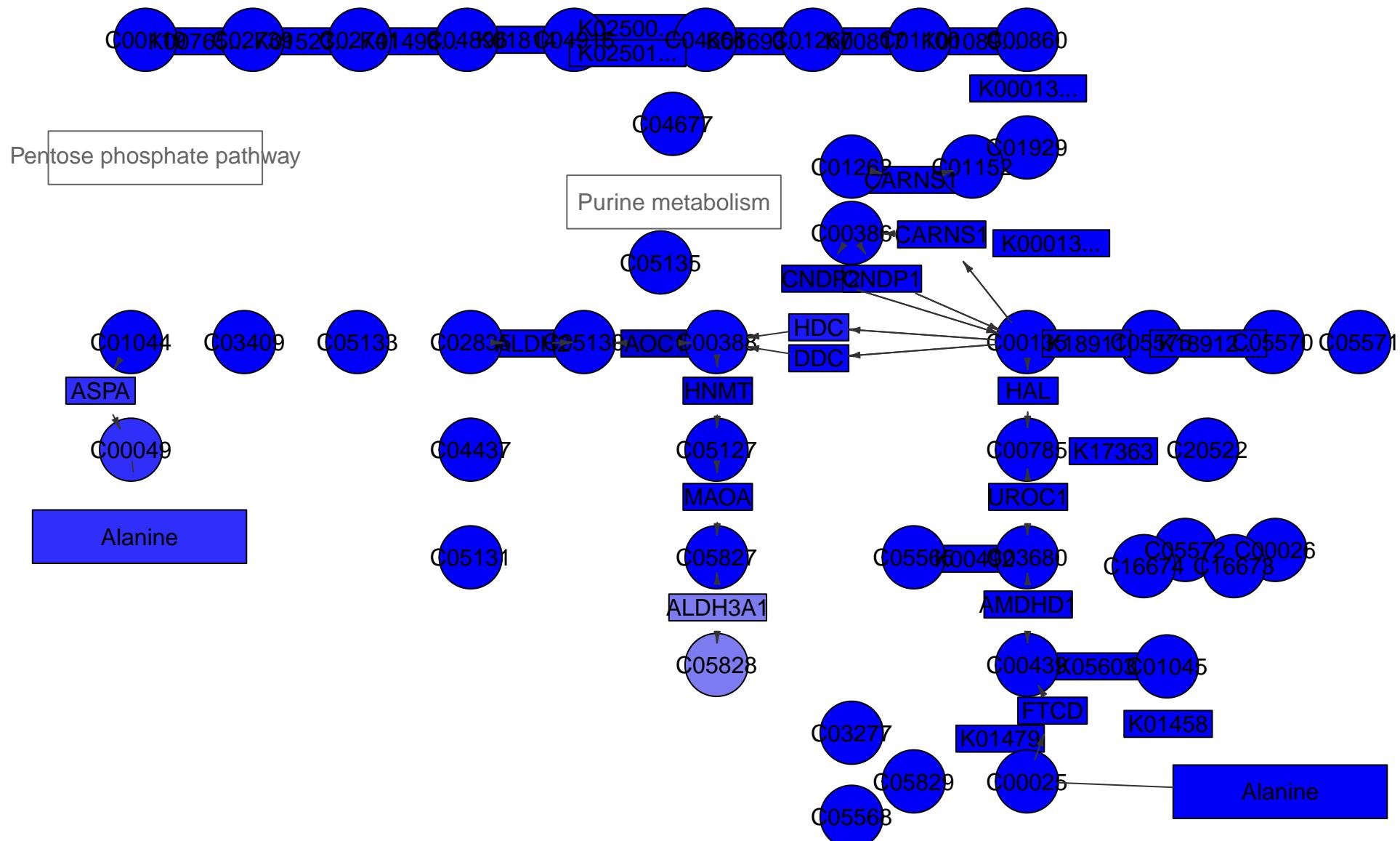


# Histidine metabolism

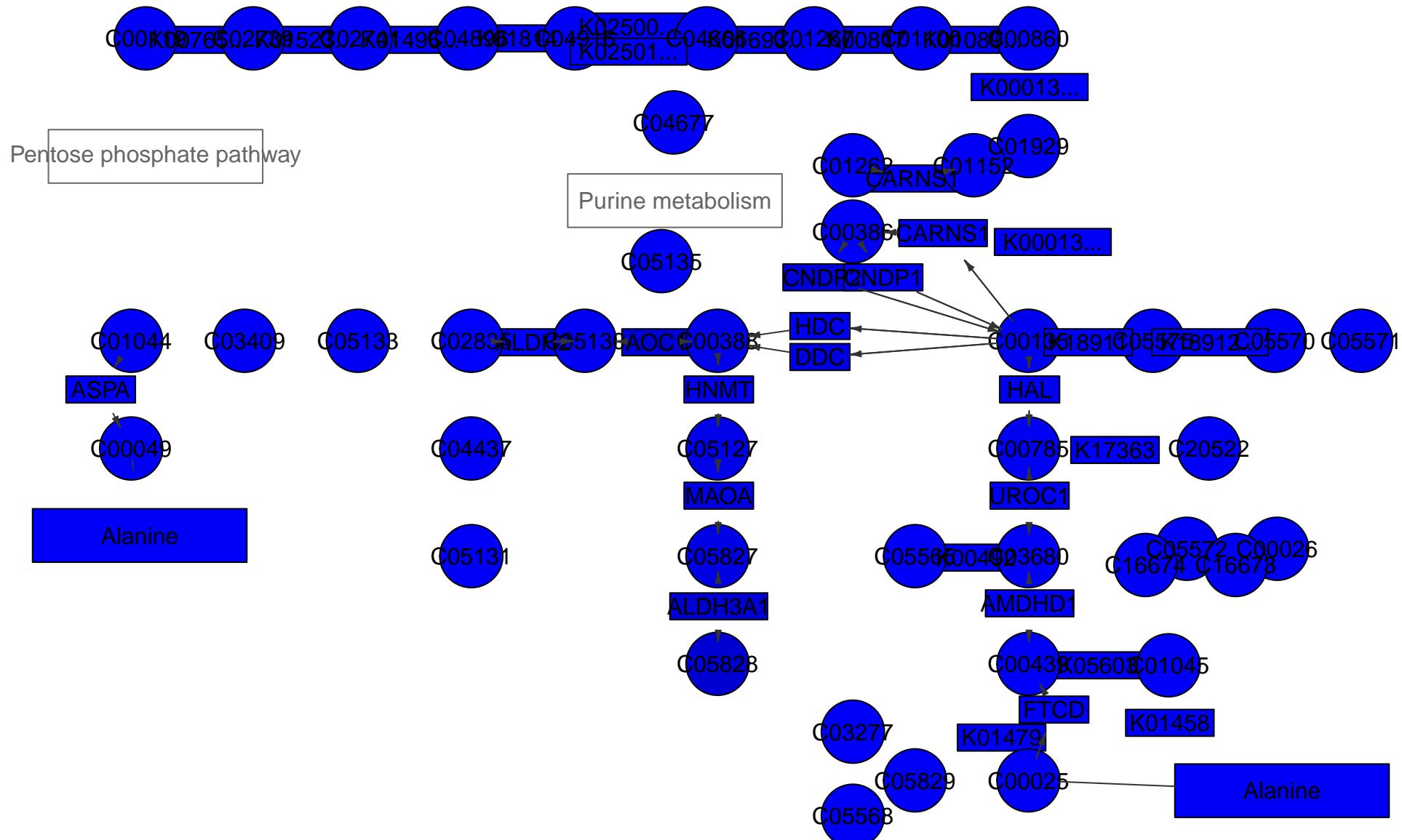
## MPI-081



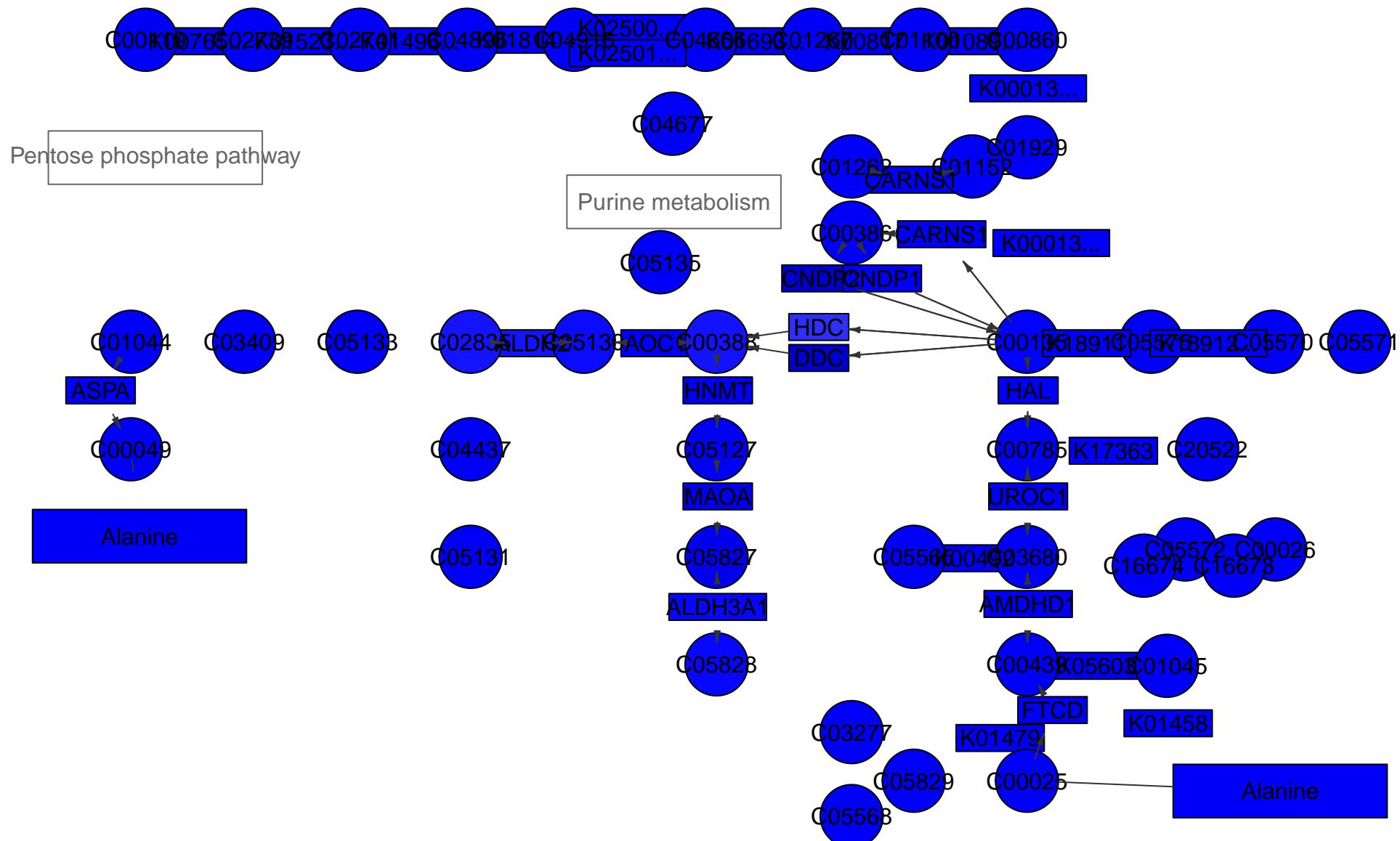
Histidine metabolism  
MPI-082



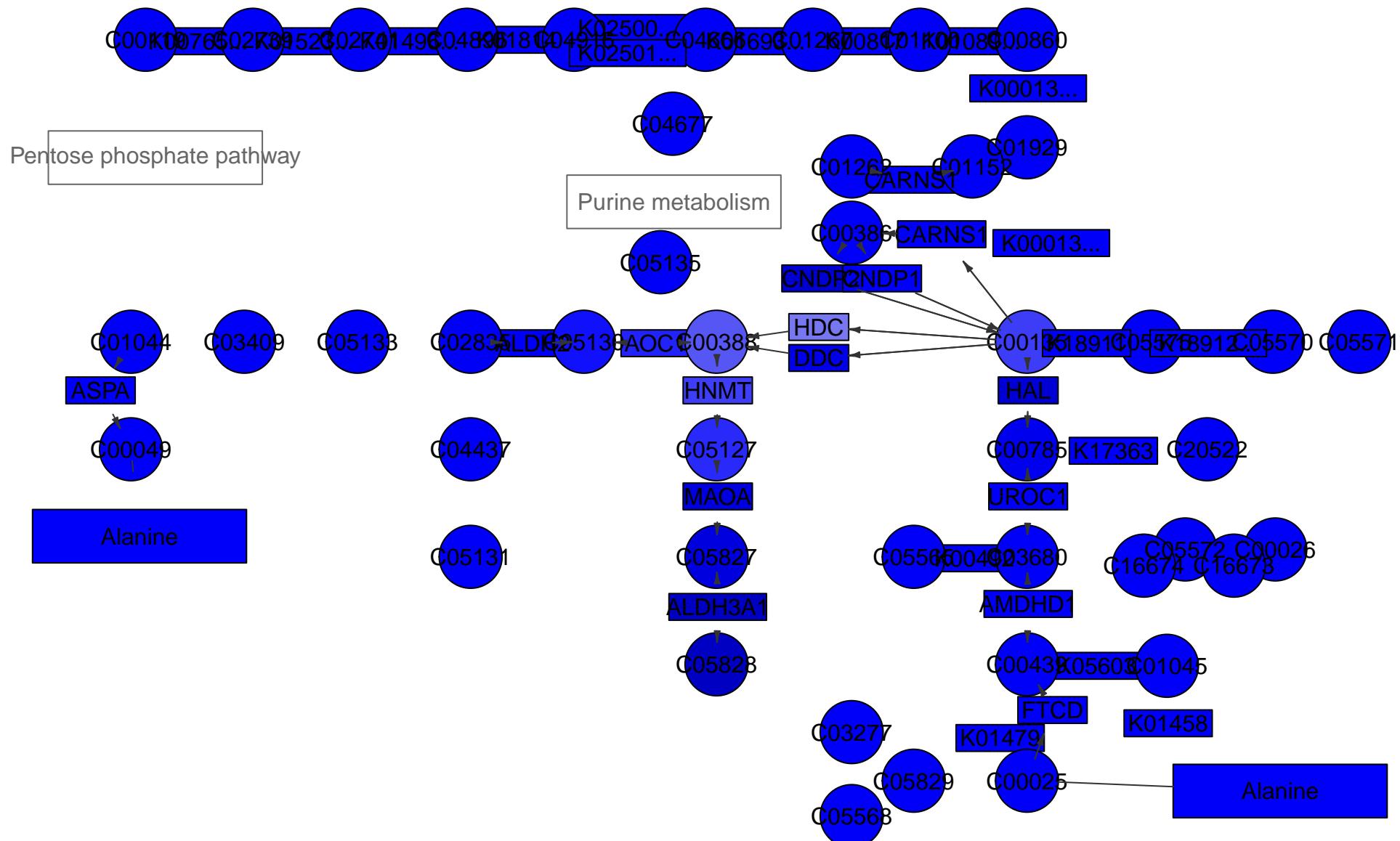
Histidine metabolism  
MPI-084



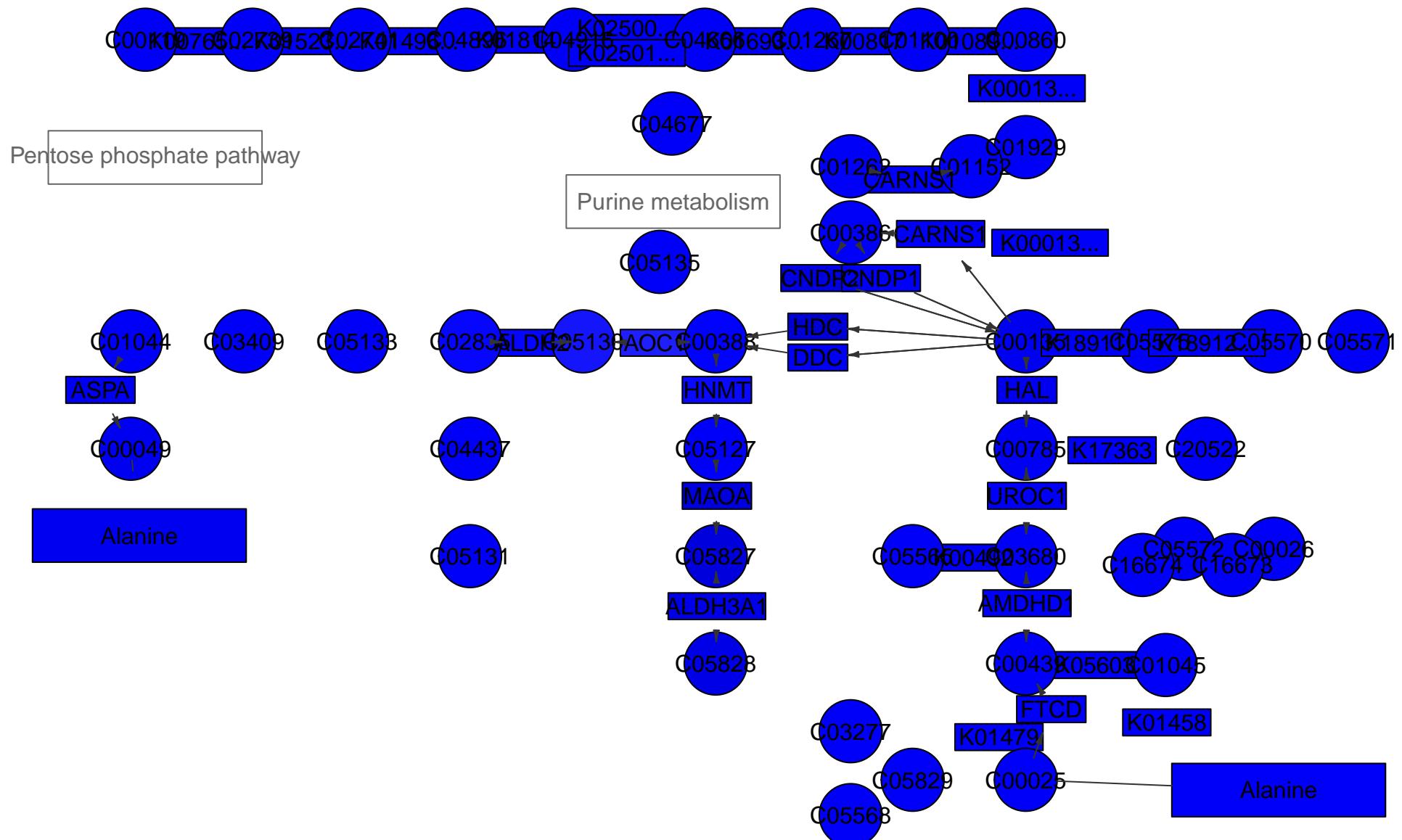
Histidine metabolism  
MPI-085



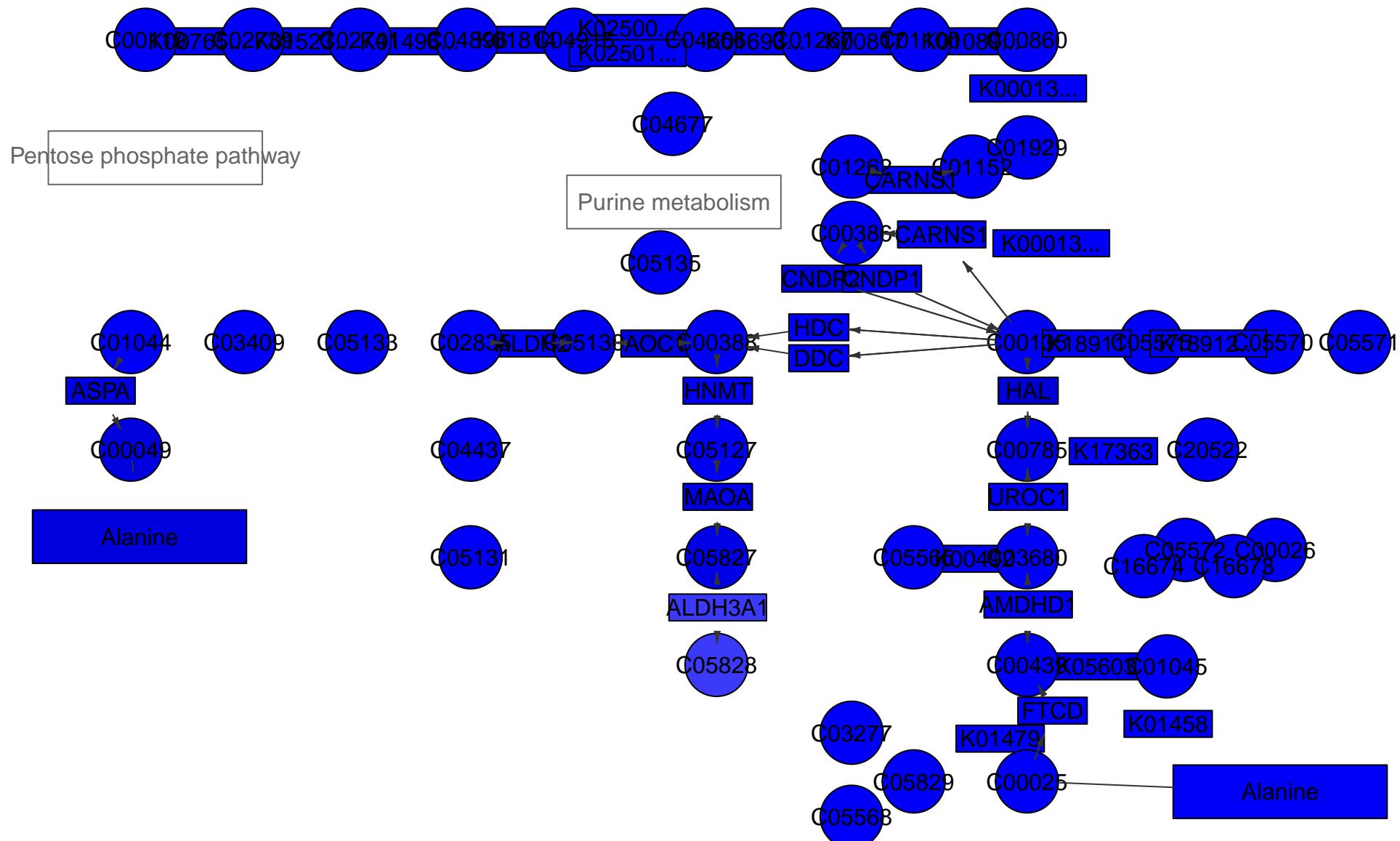
Histidine metabolism  
MPI-086



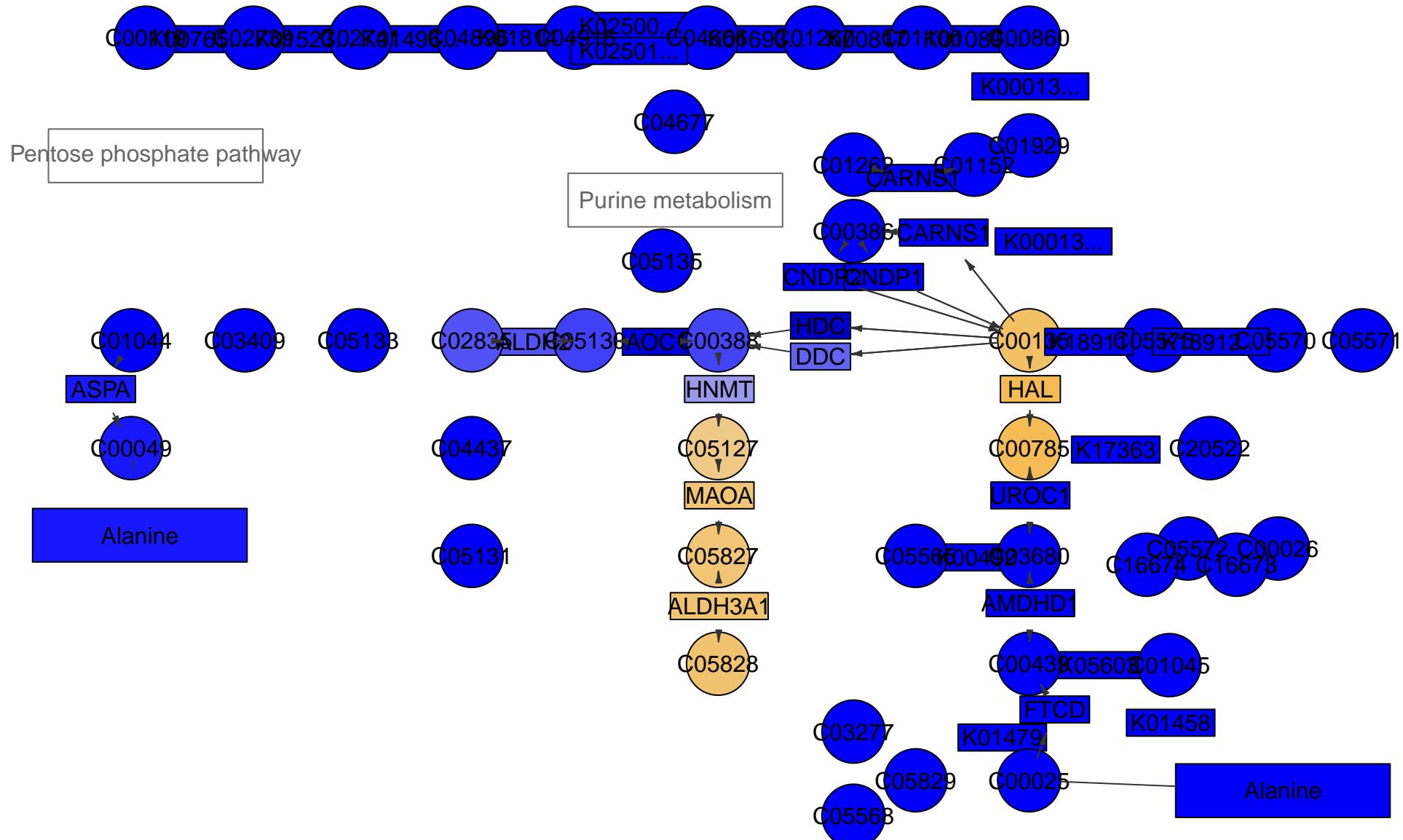
Histidine metabolism  
MPI-087



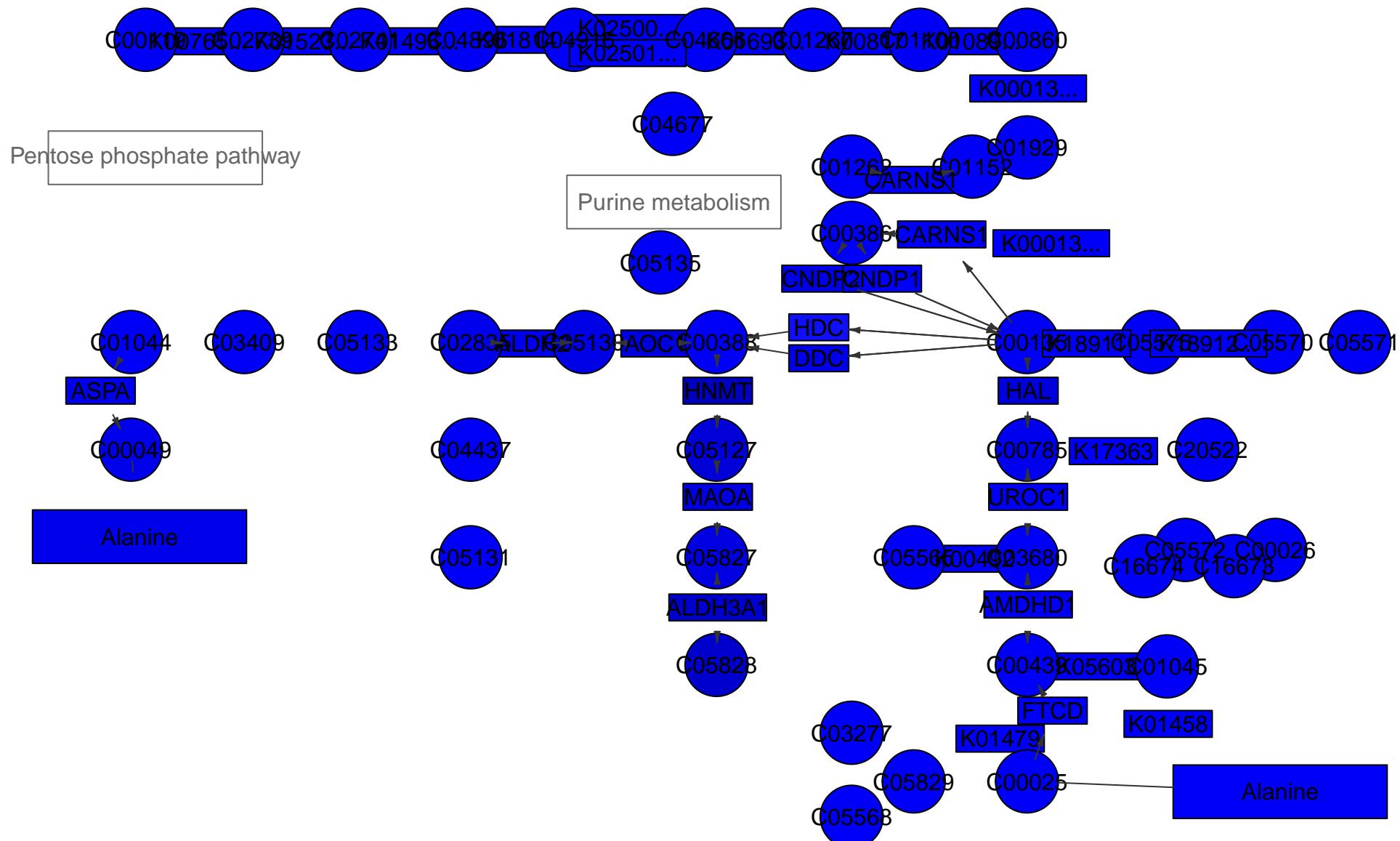
Histidine metabolism  
MPI-089



Histidine metabolism  
MPI-090

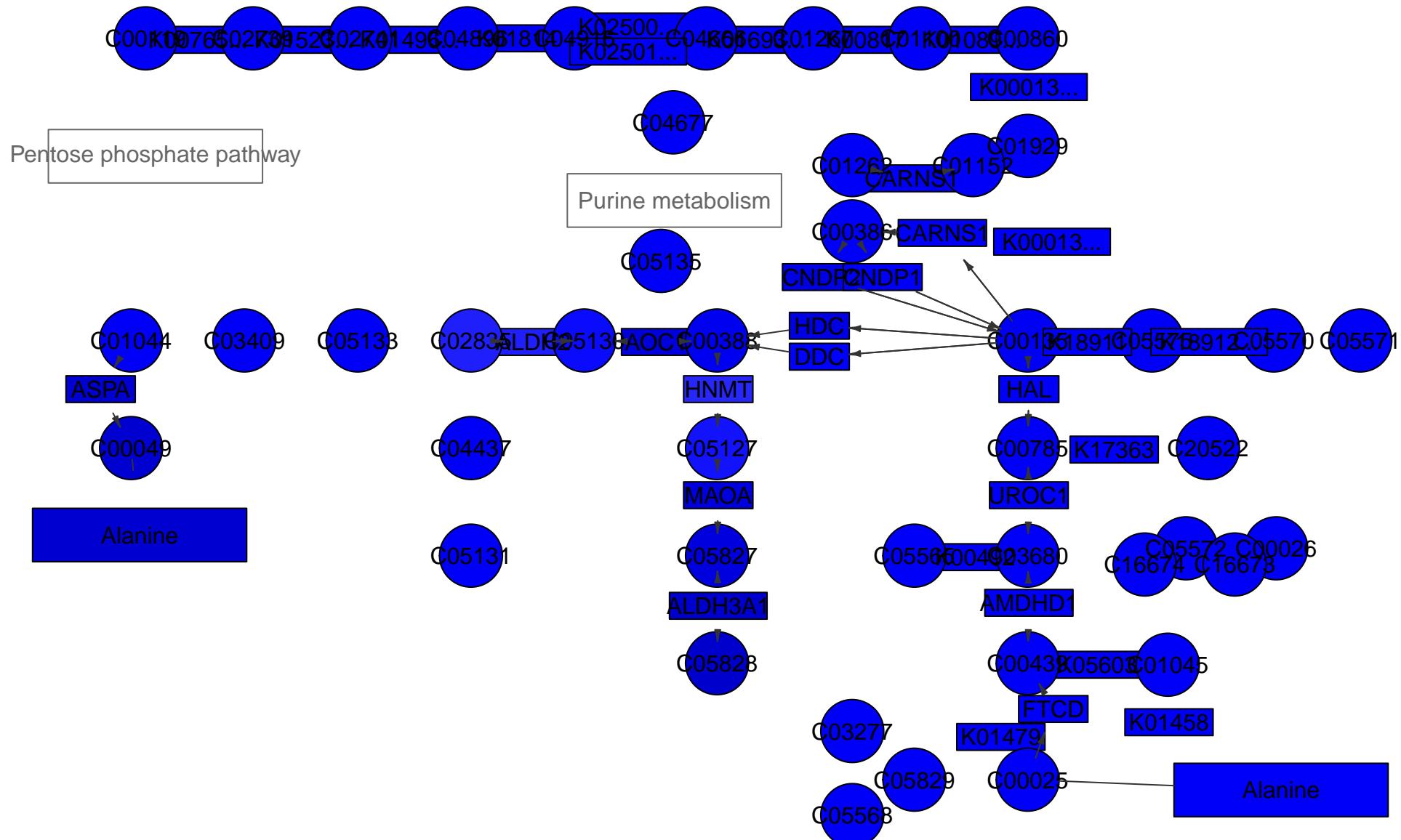


Histidine metabolism  
MPI-091



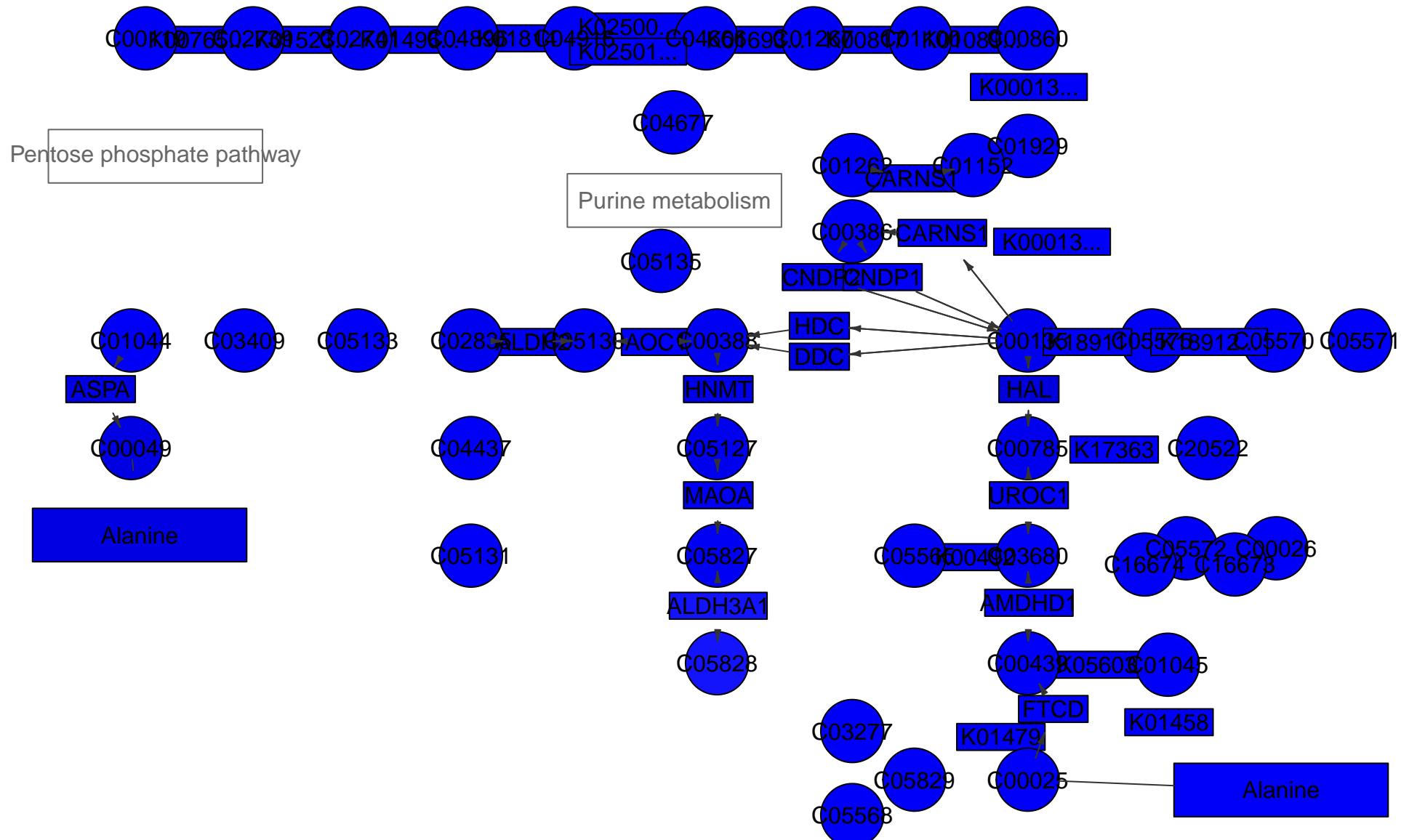
# Histidine metabolism

## MPI-095

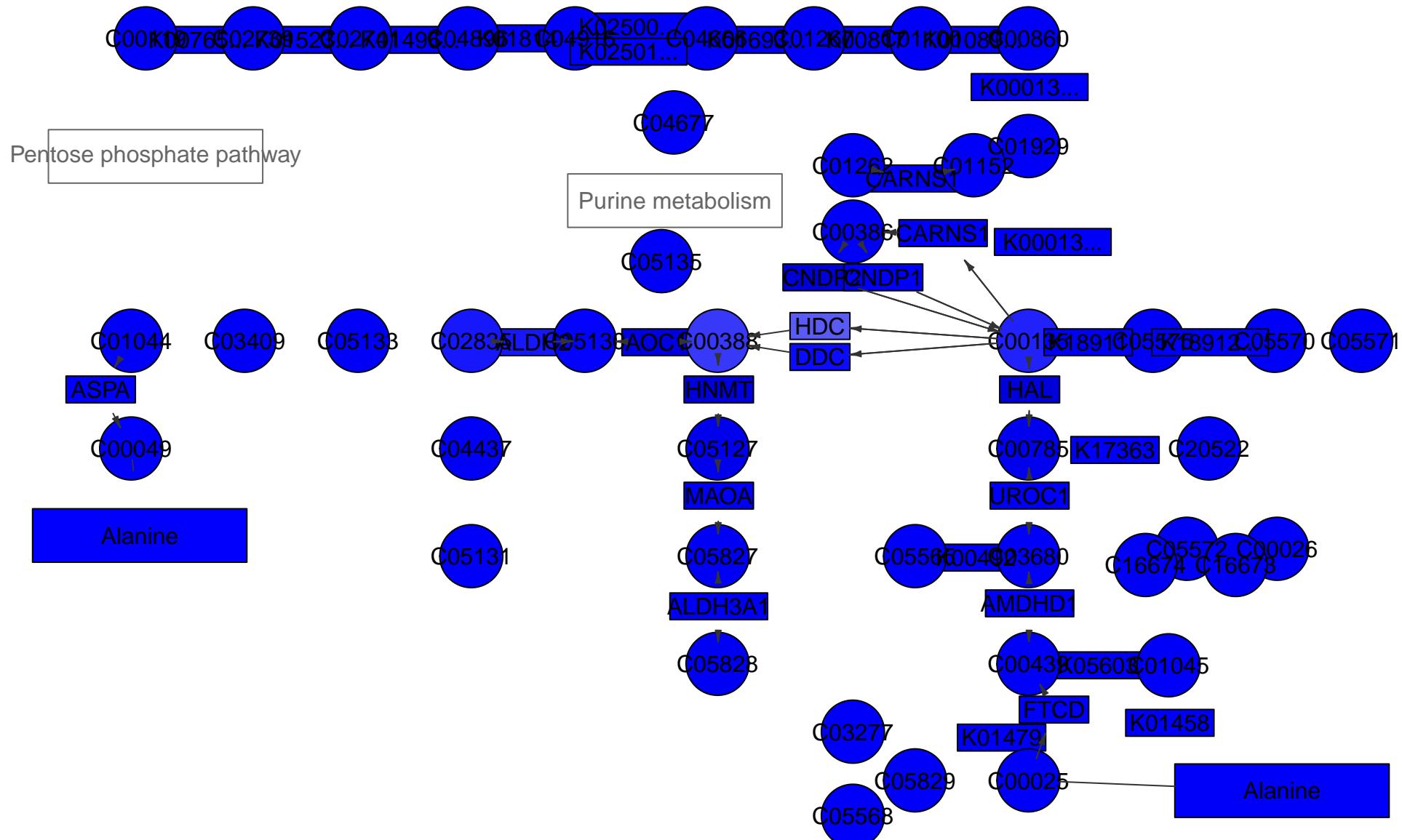


# Histidine metabolism

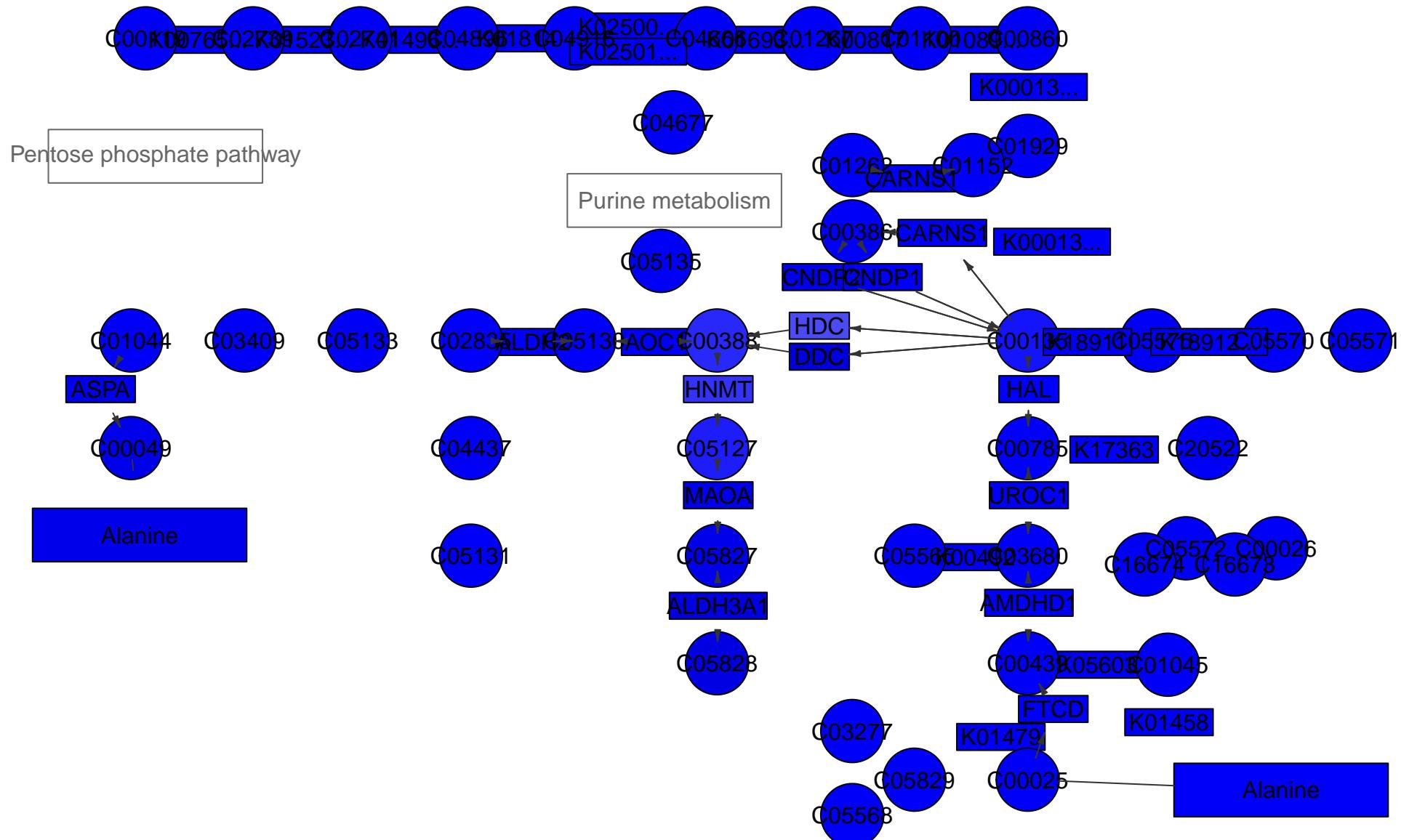
## MPI-101



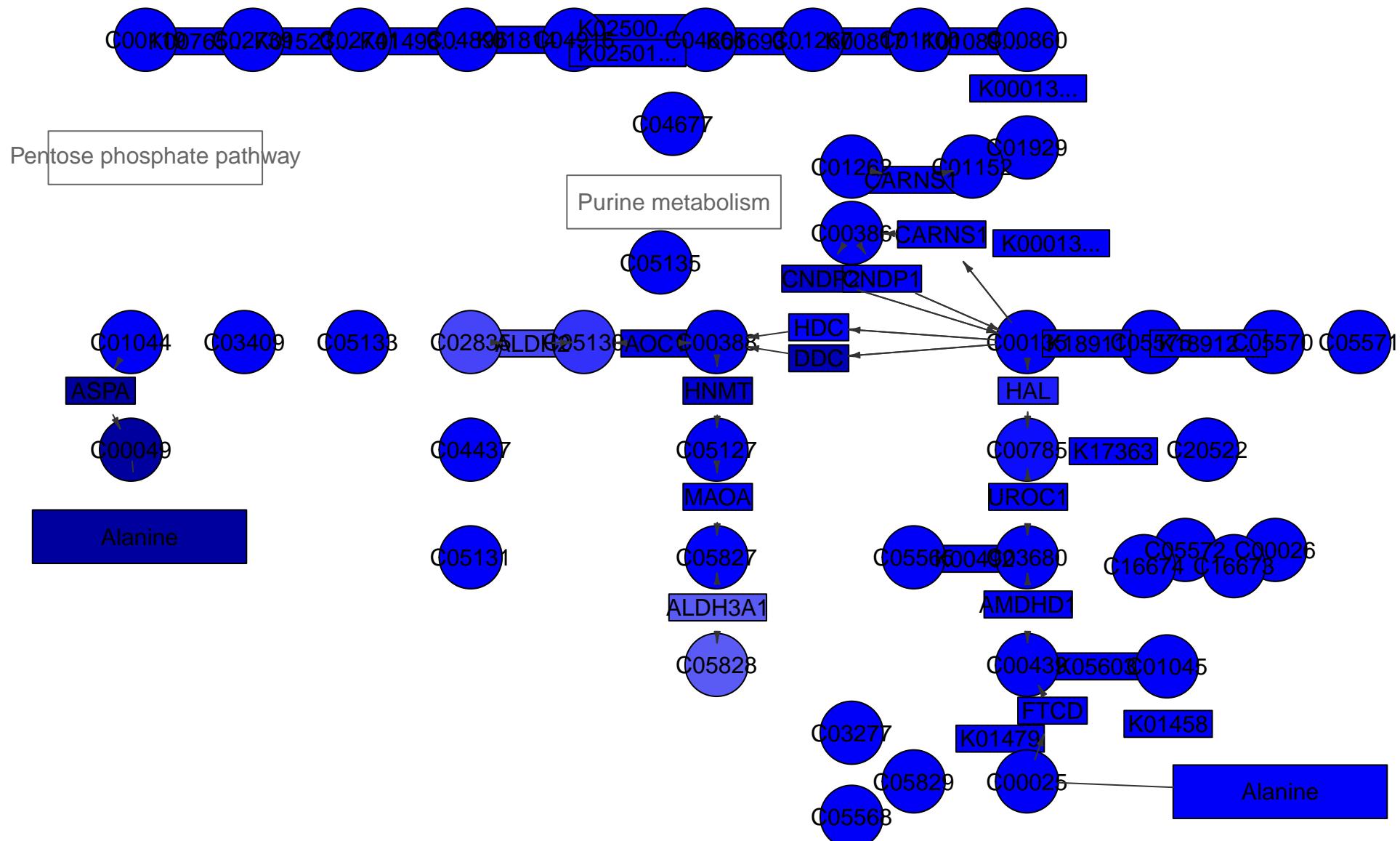
Histidine metabolism  
MPI-114



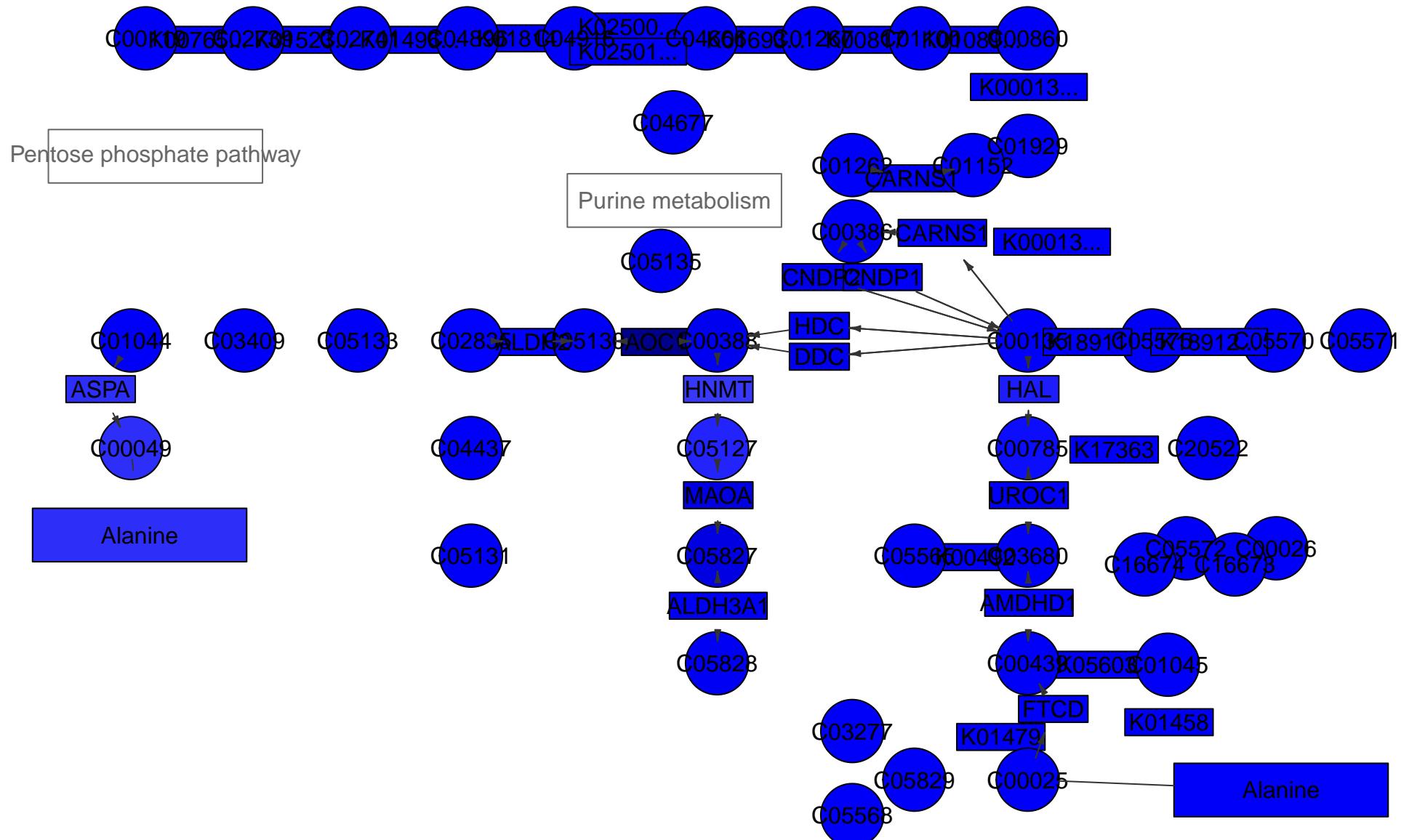
Histidine metabolism  
MPI-123



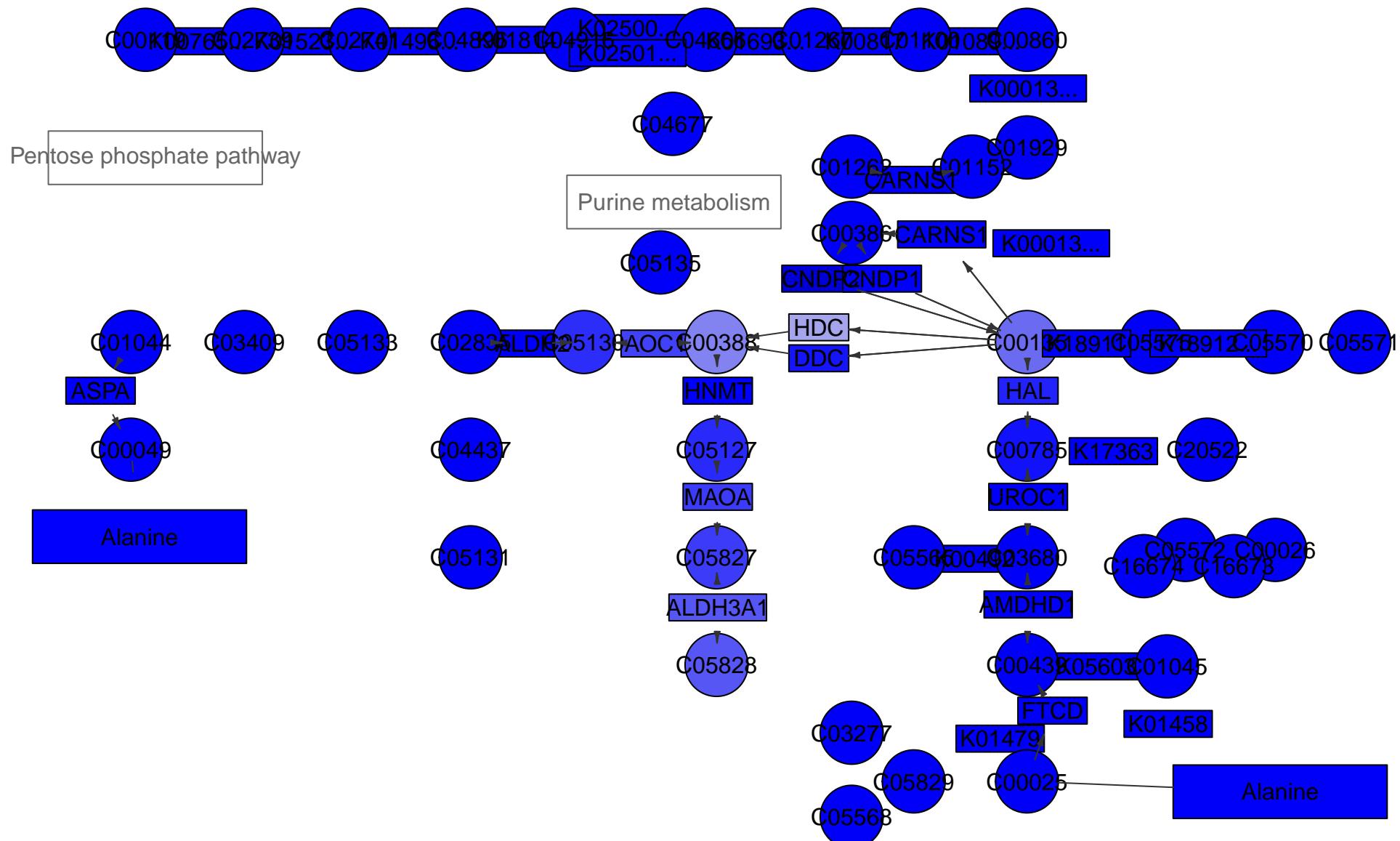
Histidine metabolism  
MPI-138



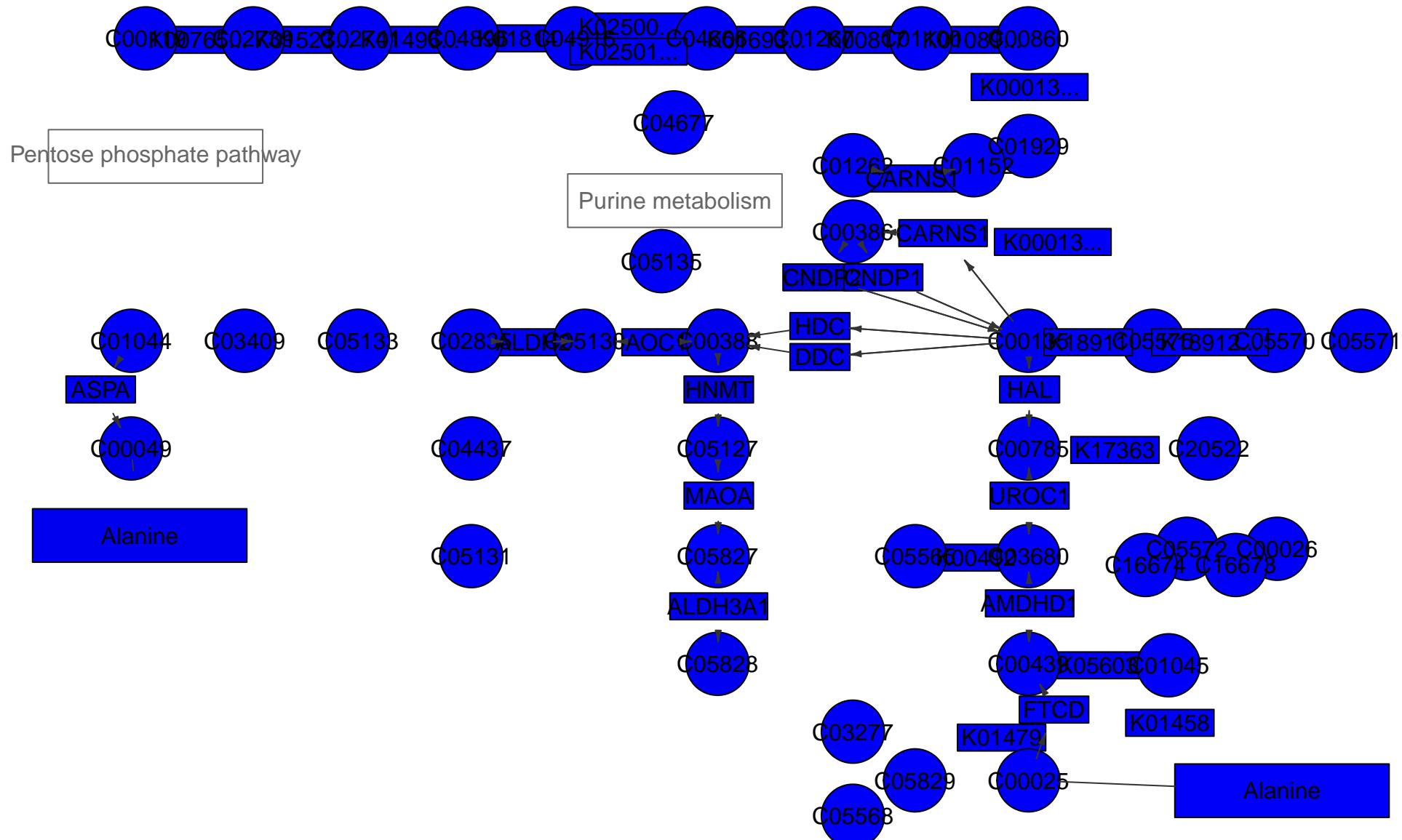
Histidine metabolism  
MPI-139



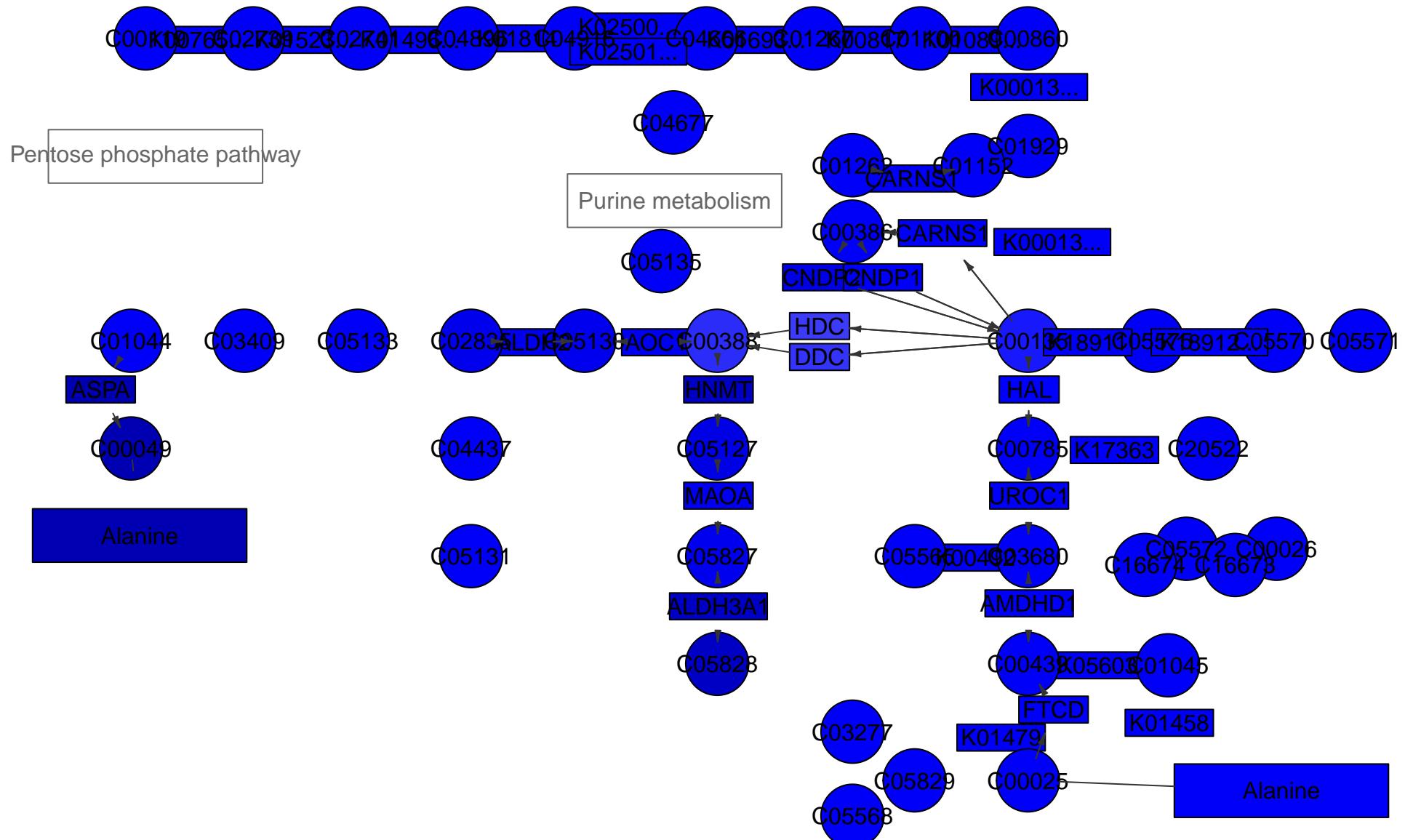
Histidine metabolism  
MPI-140



Histidine metabolism  
MPI-144

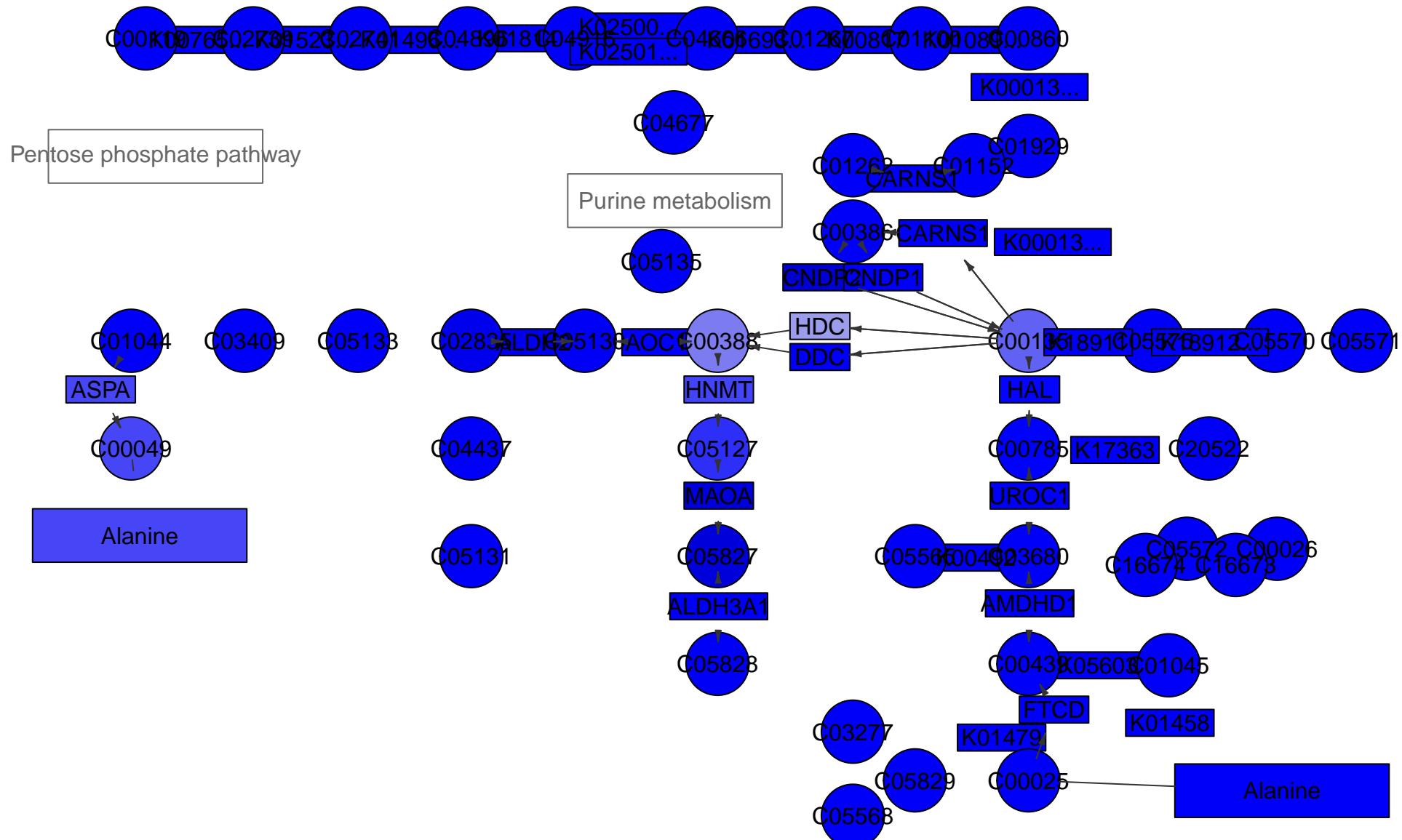


Histidine metabolism  
MPI-147

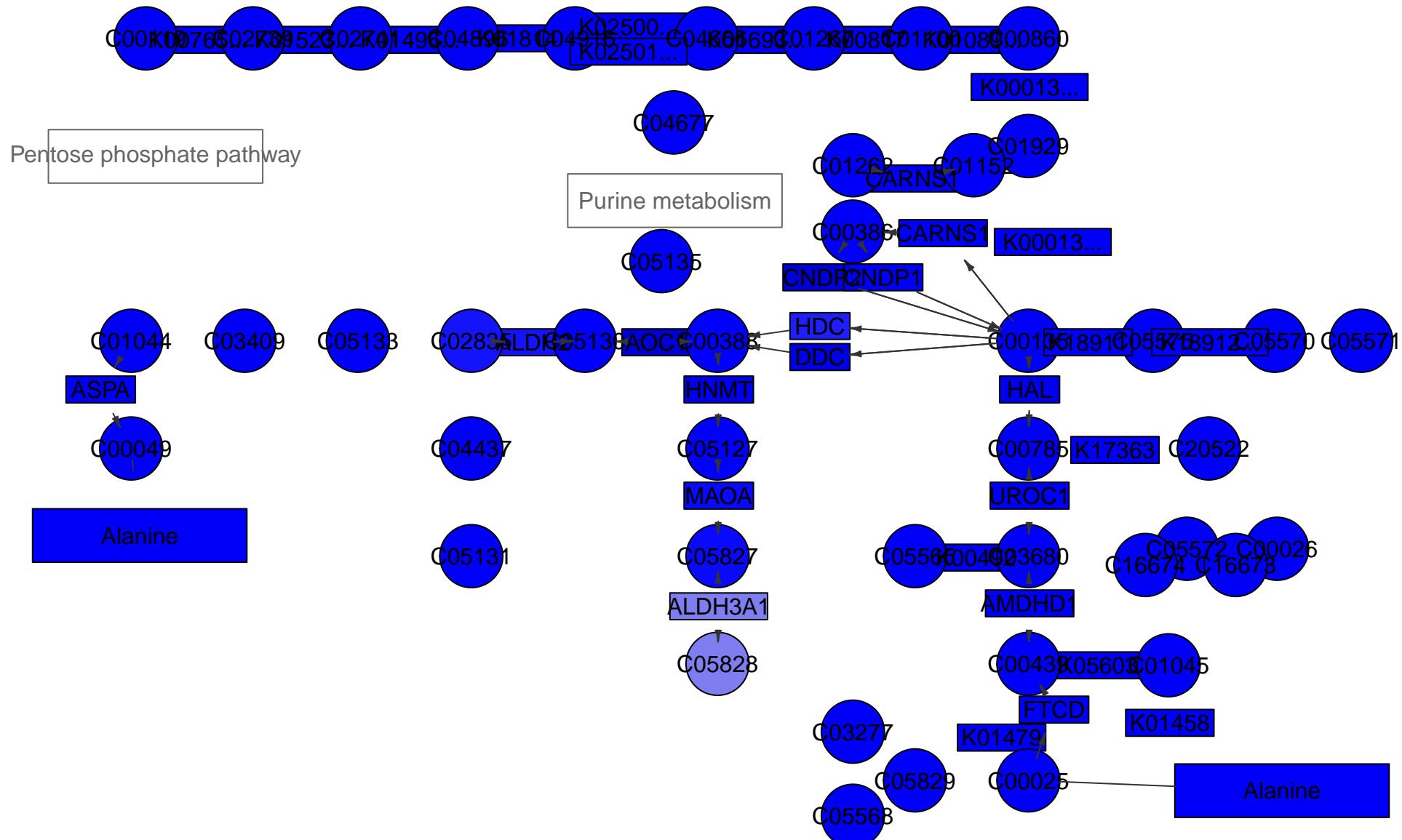


# Histidine metabolism

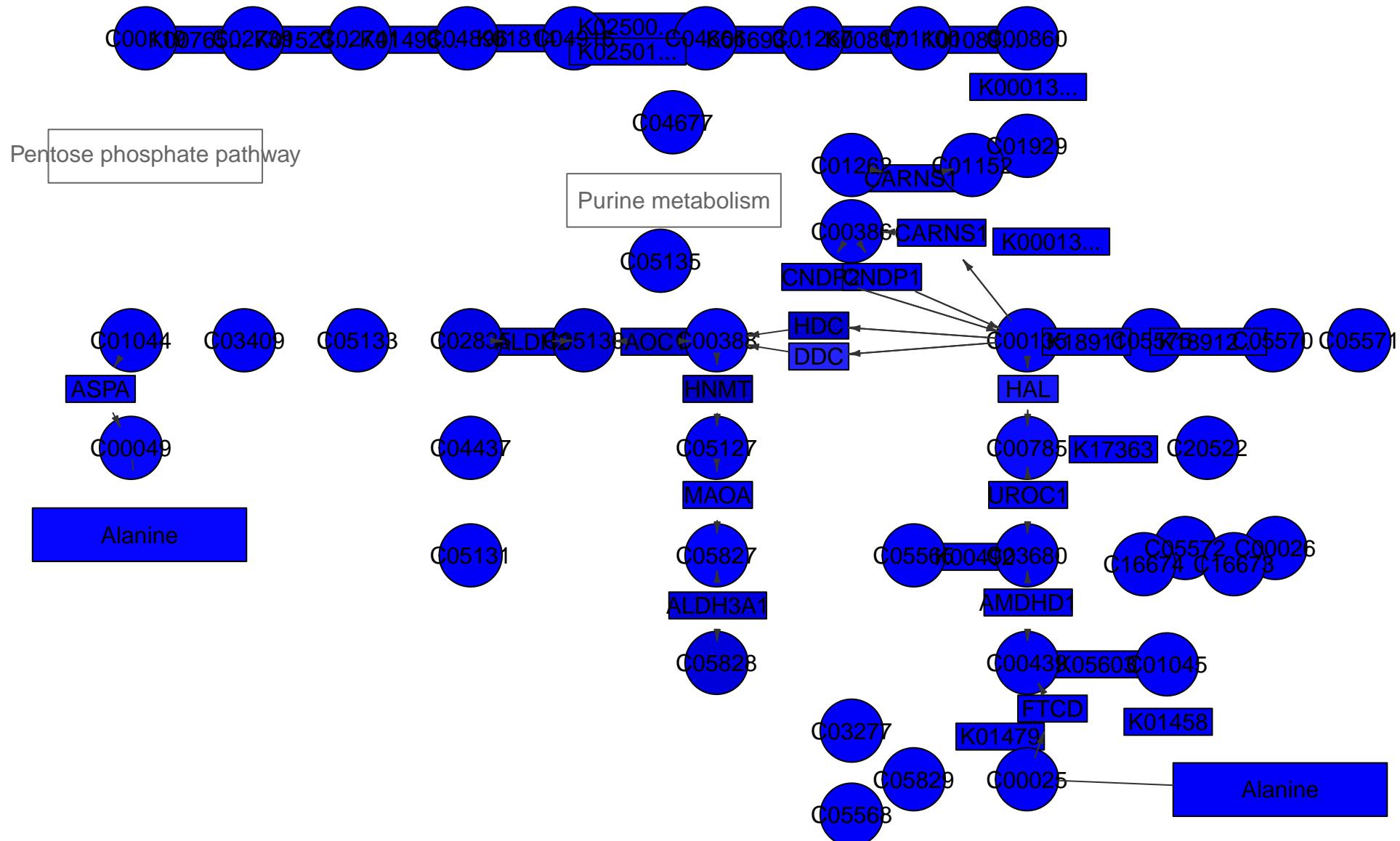
## MPI-171



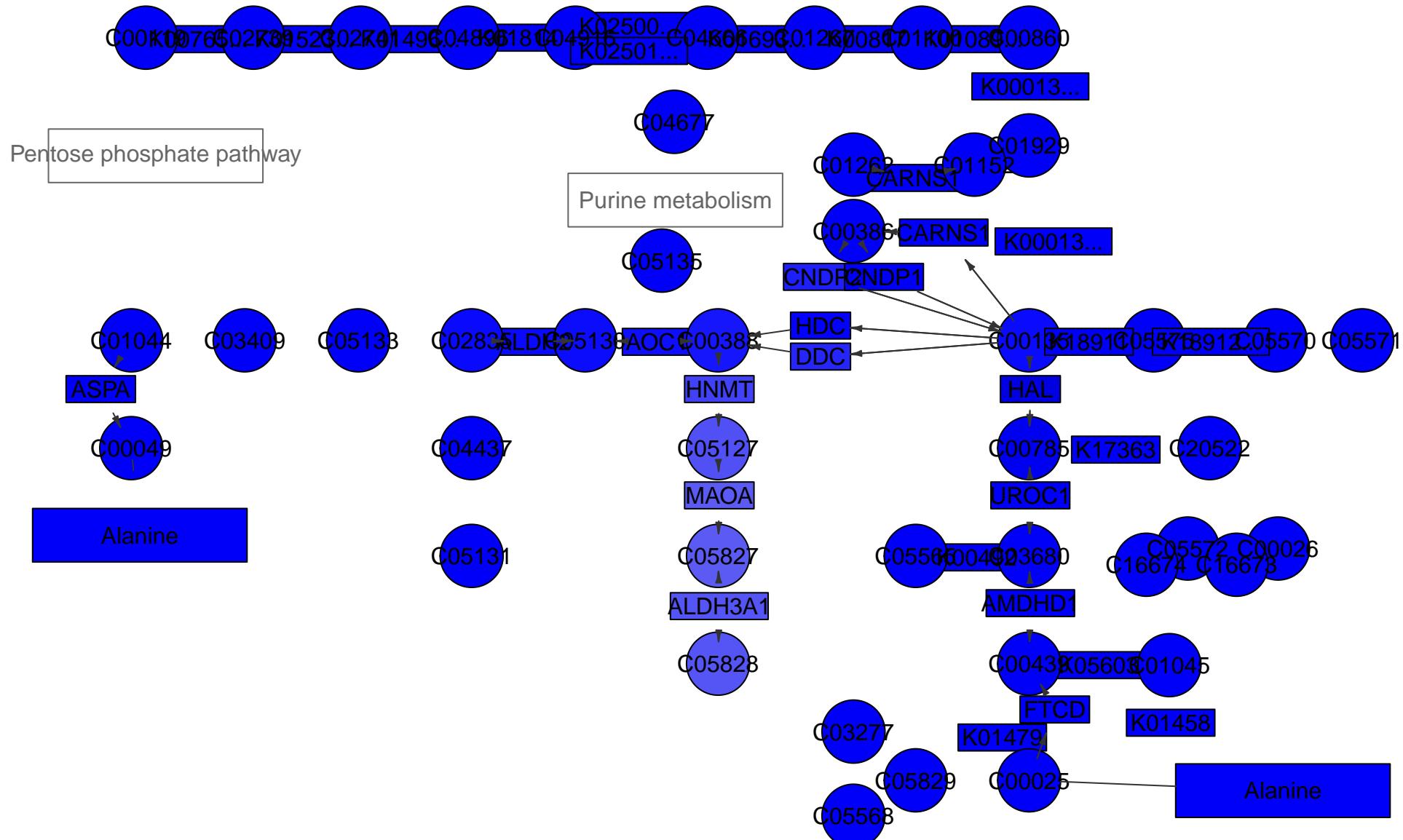
Histidine metabolism  
MPI-172



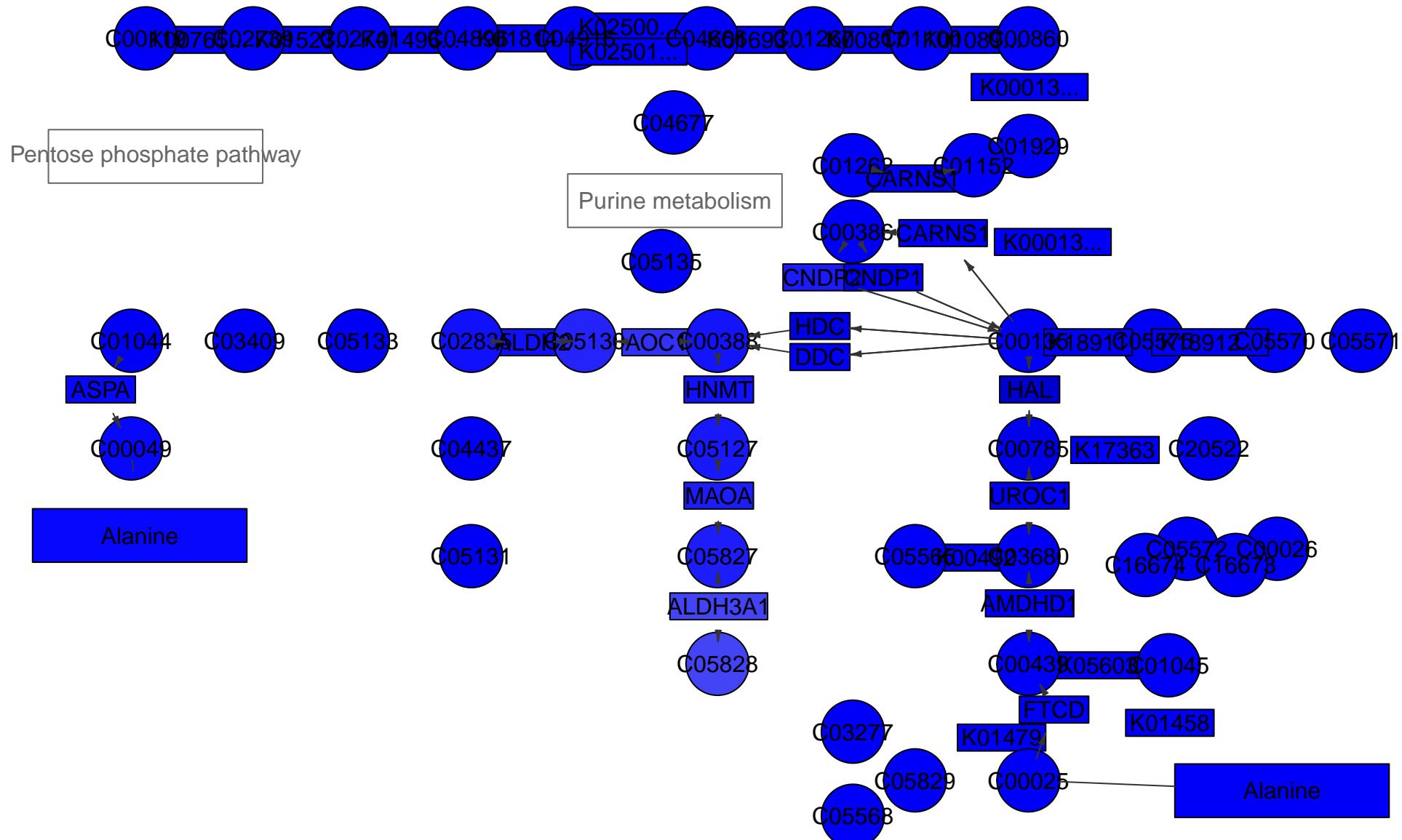
Histidine metabolism  
MPI-007



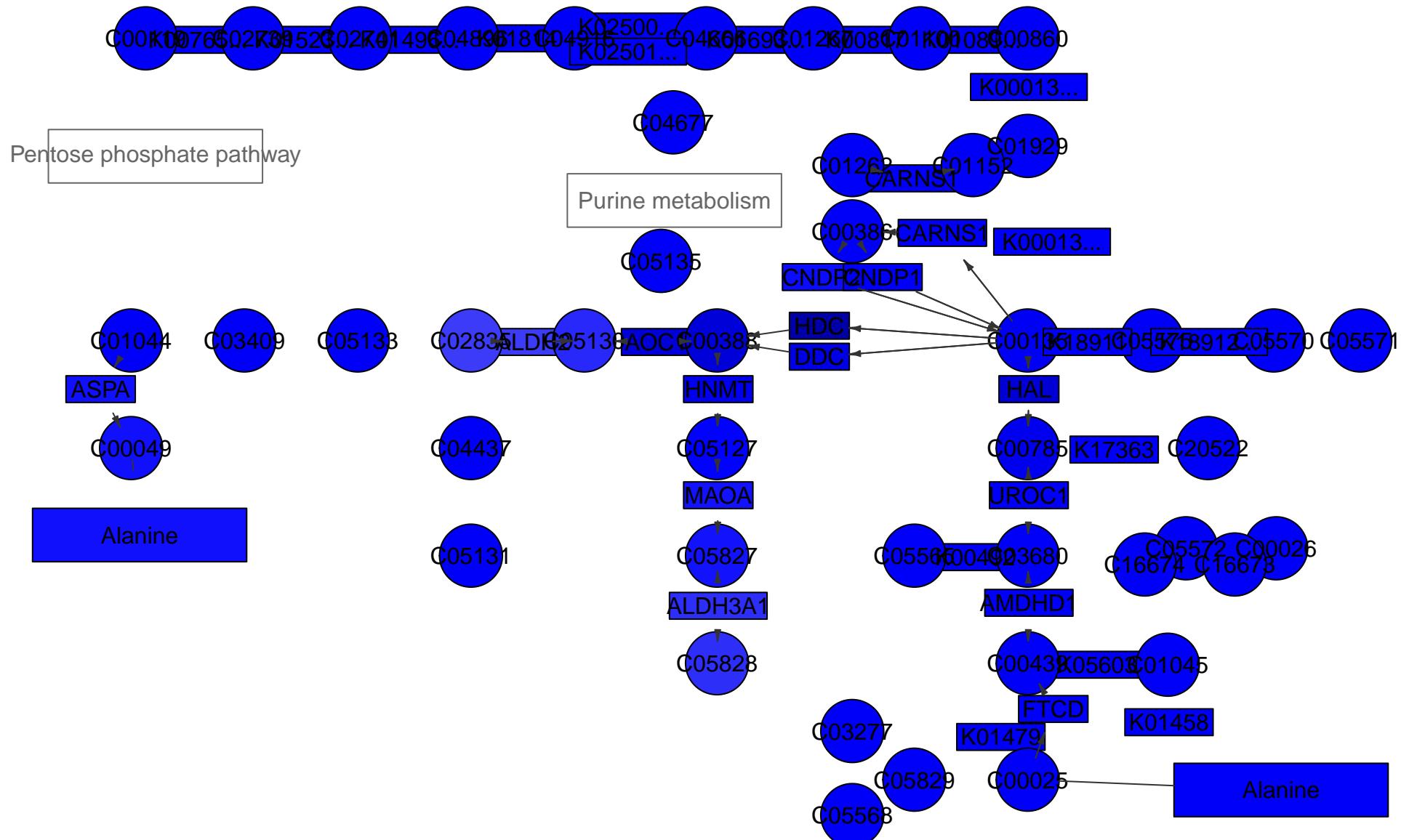
Histidine metabolism  
MPI-011



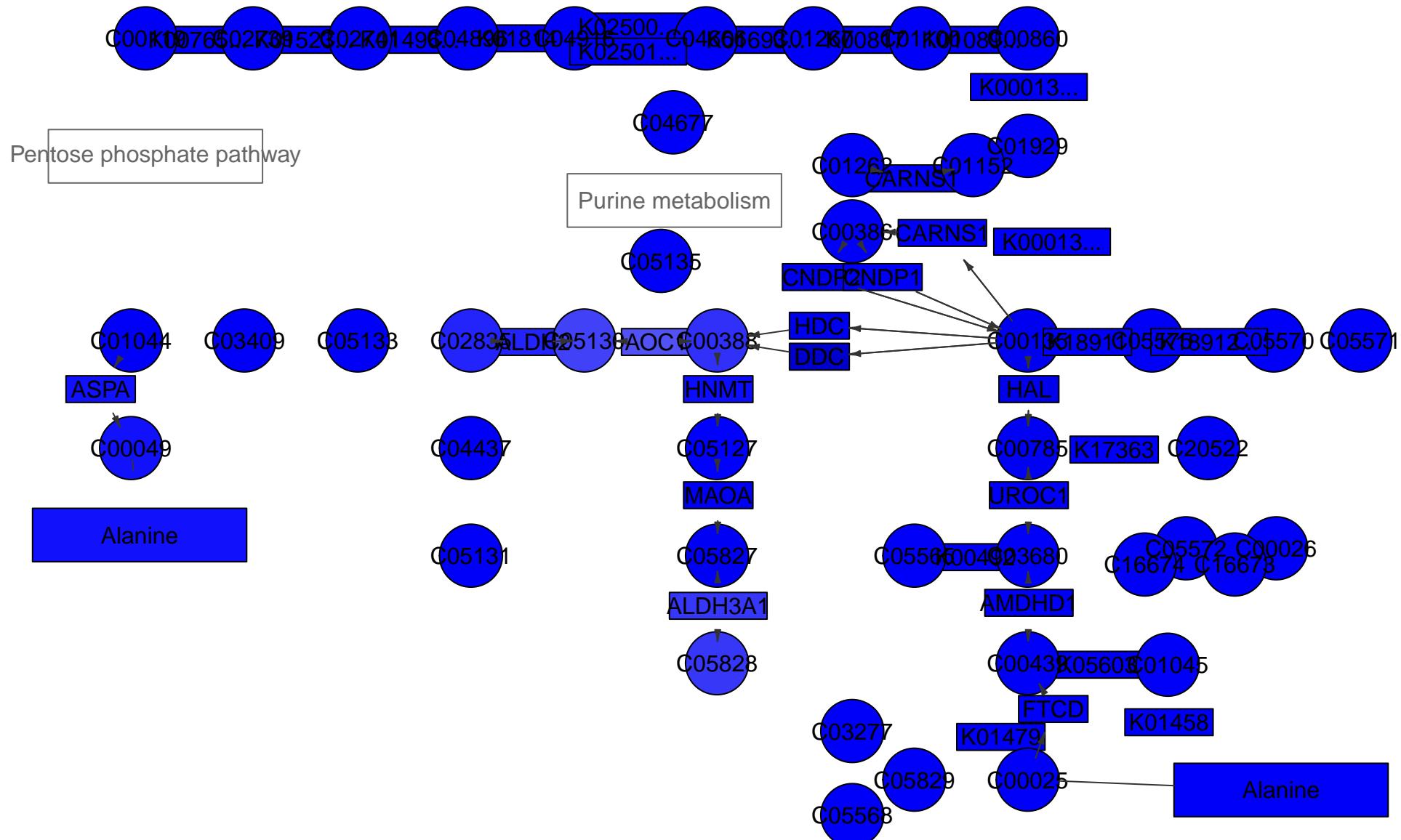
Histidine metabolism  
MPI-024



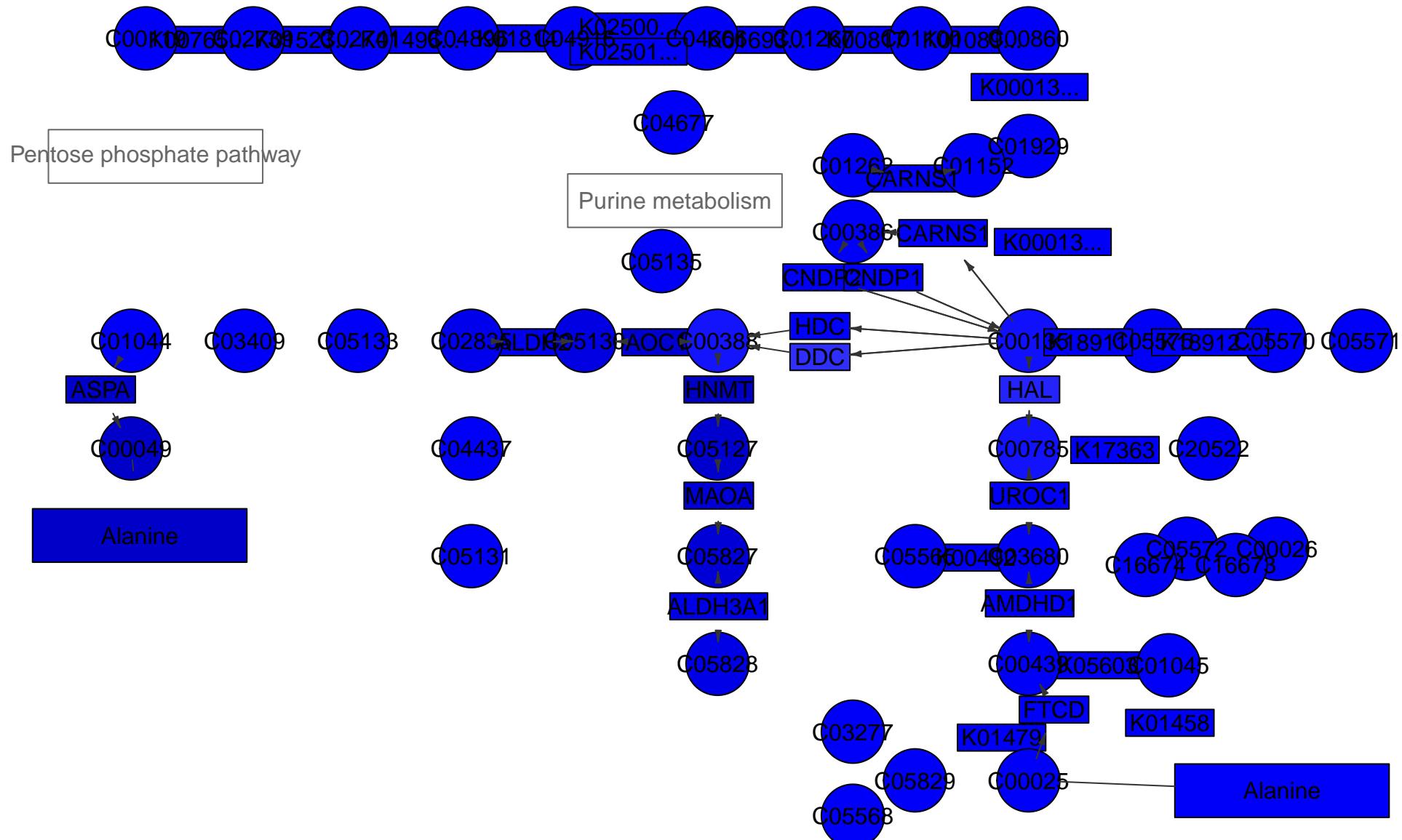
Histidine metabolism  
MPI-026



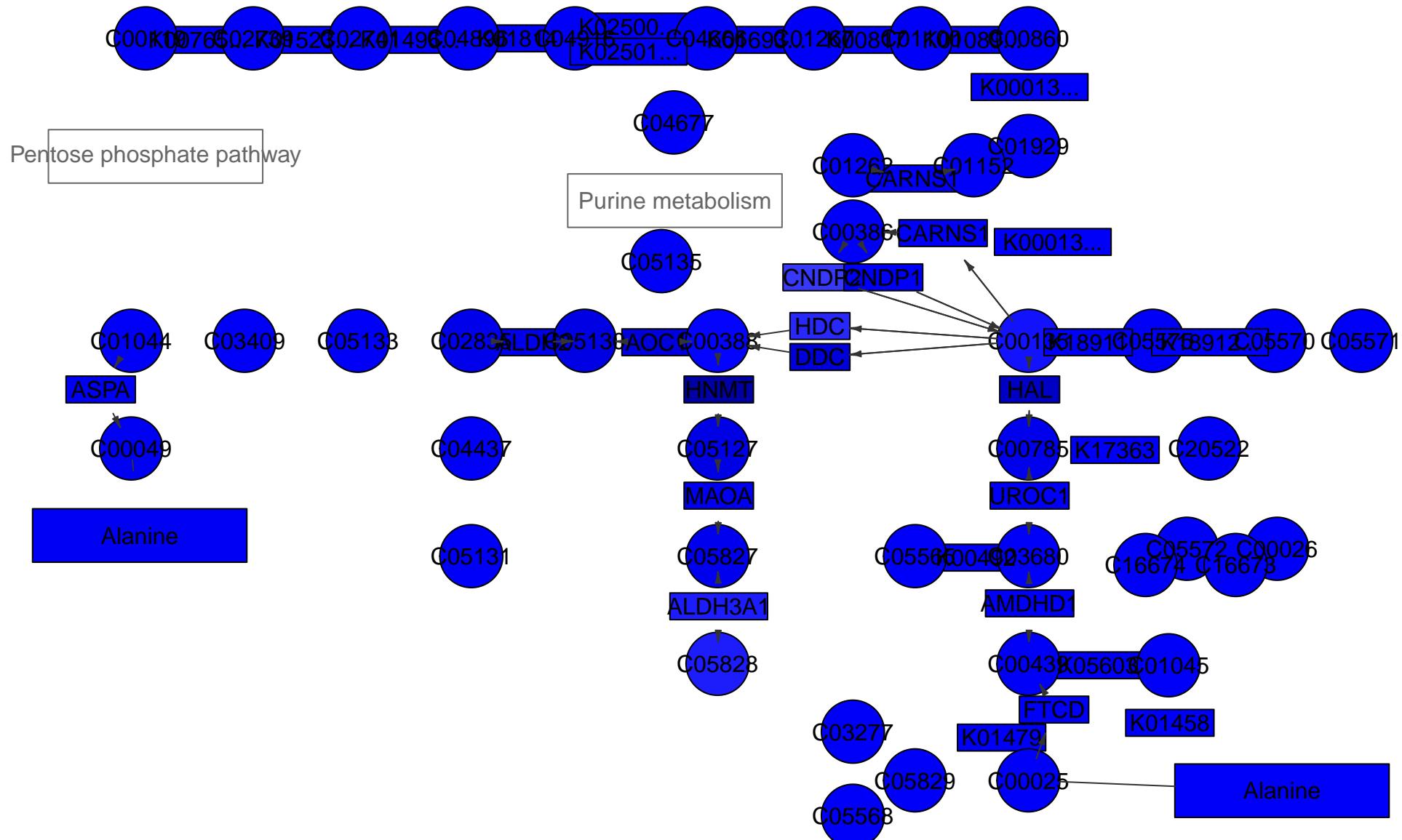
Histidine metabolism  
MPI-036



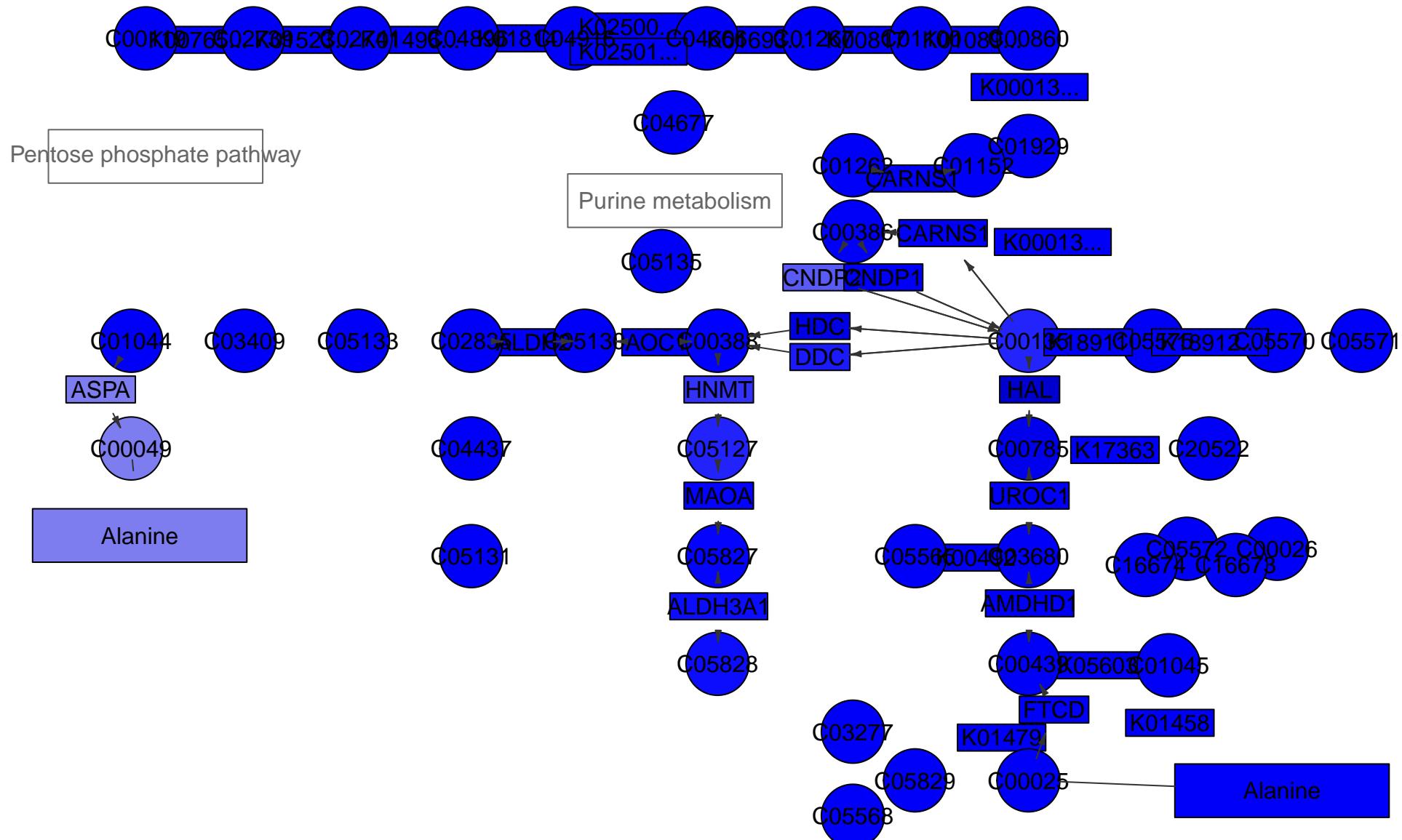
Histidine metabolism  
MPI-037



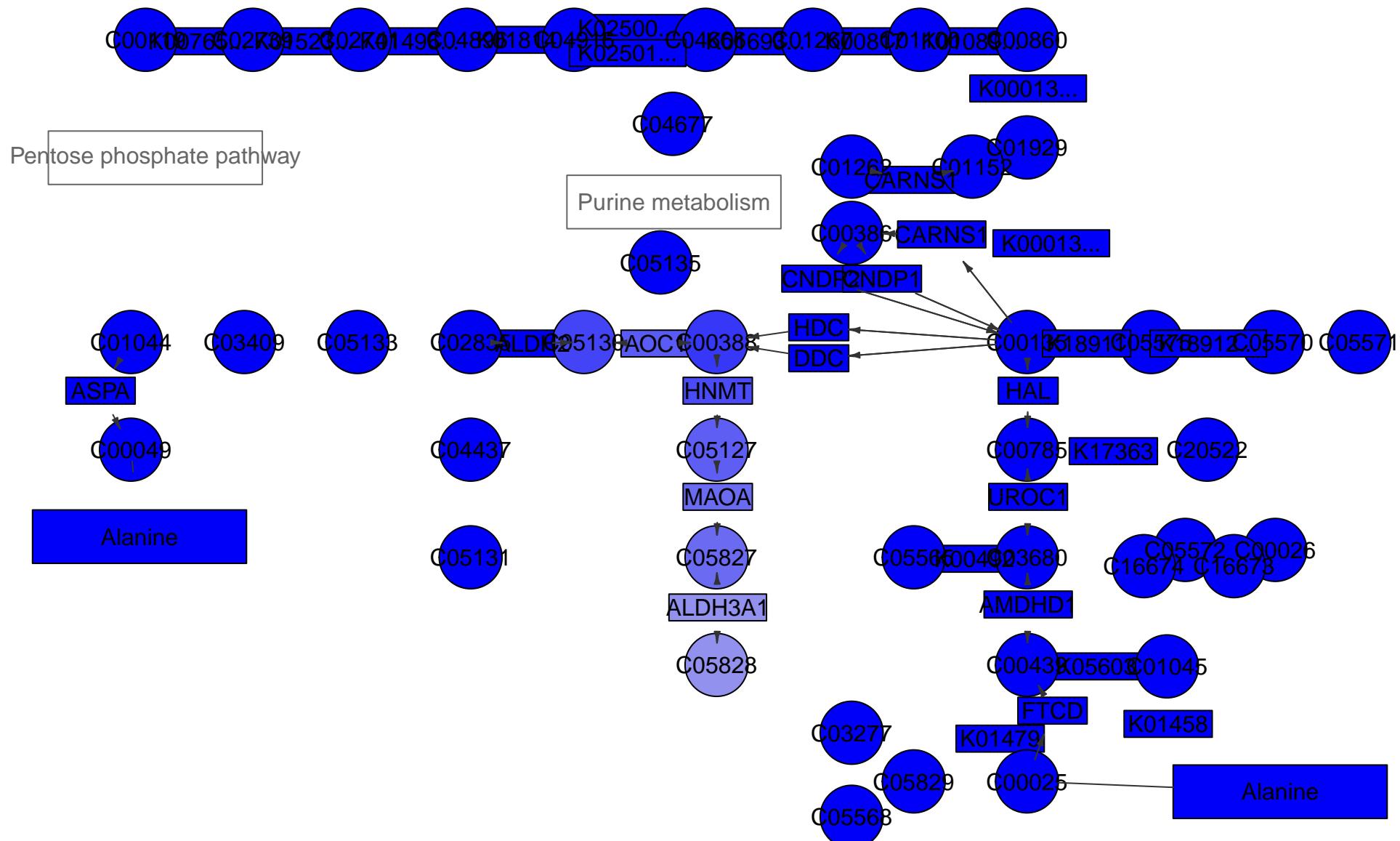
Histidine metabolism  
MPI-038



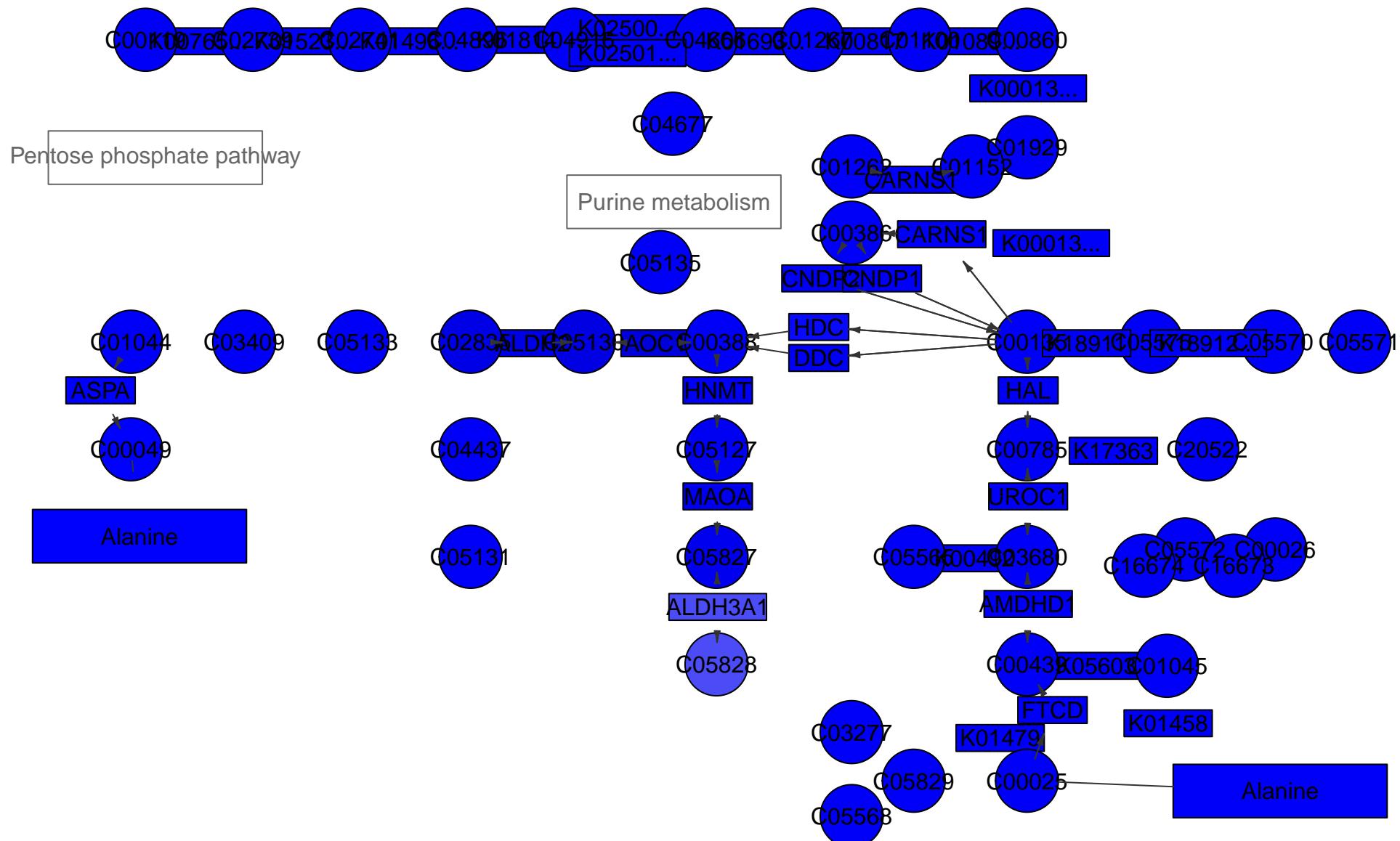
Histidine metabolism  
MPI-041



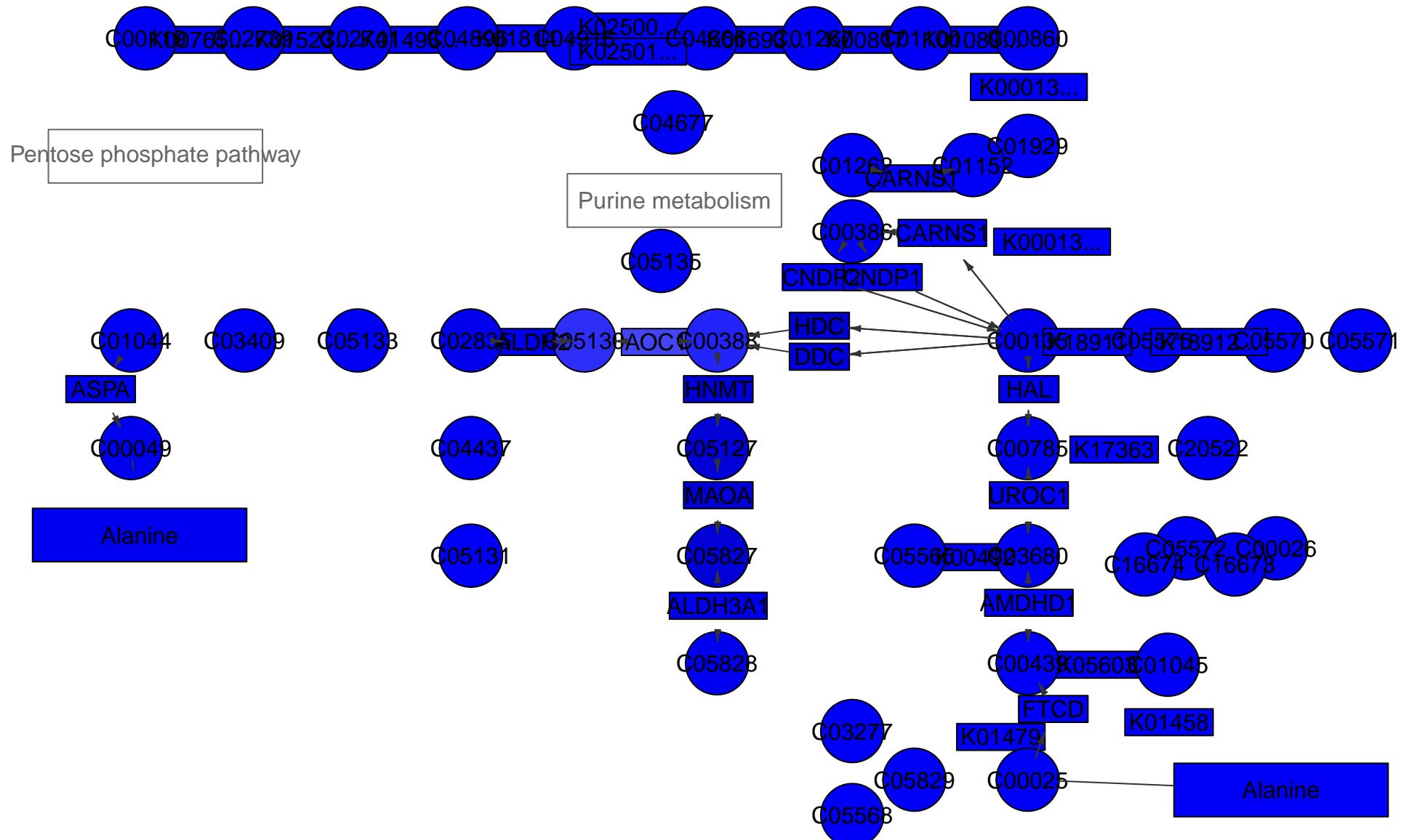
Histidine metabolism  
MPI-046



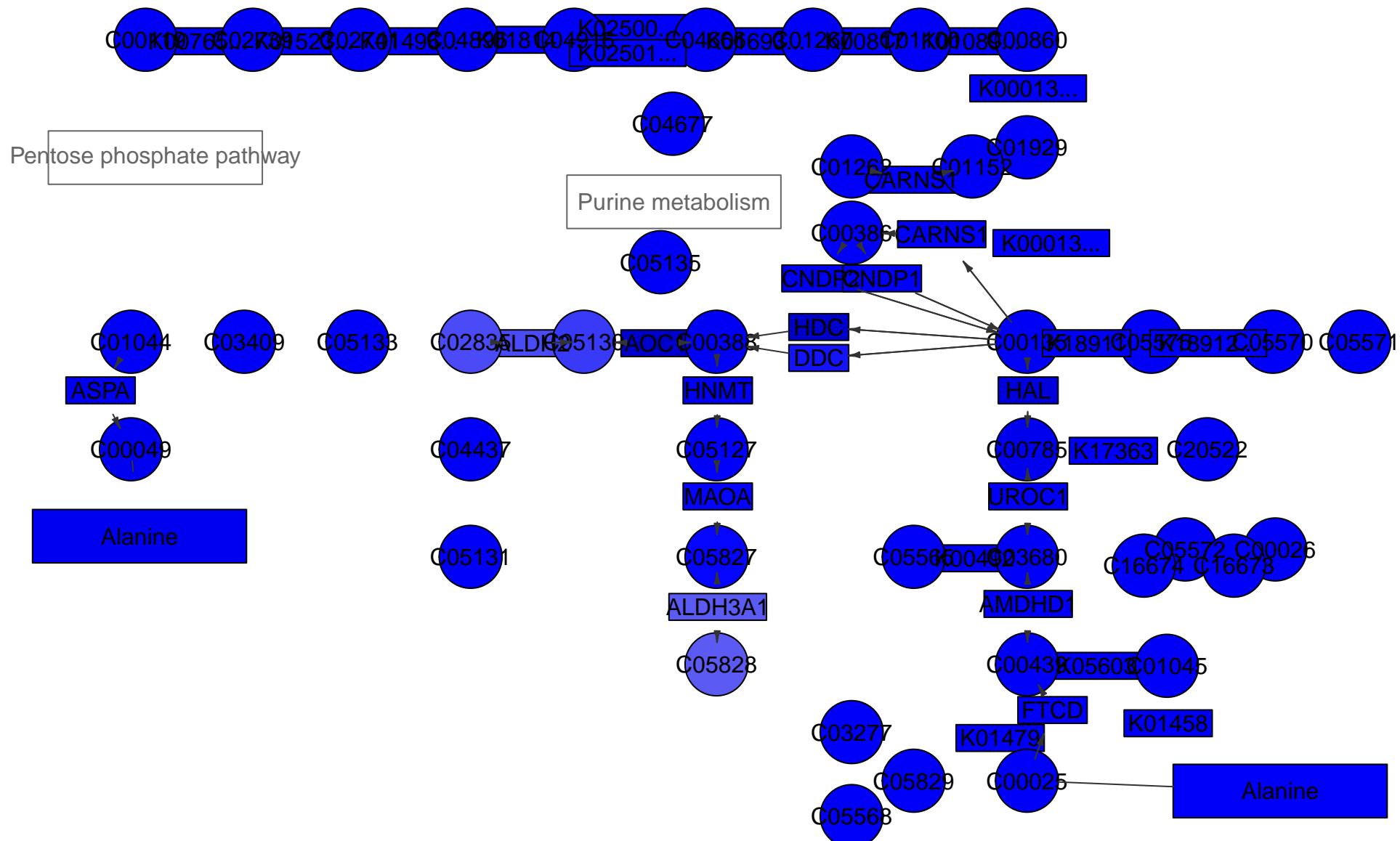
Histidine metabolism  
MPI-050



Histidine metabolism  
MPI-051

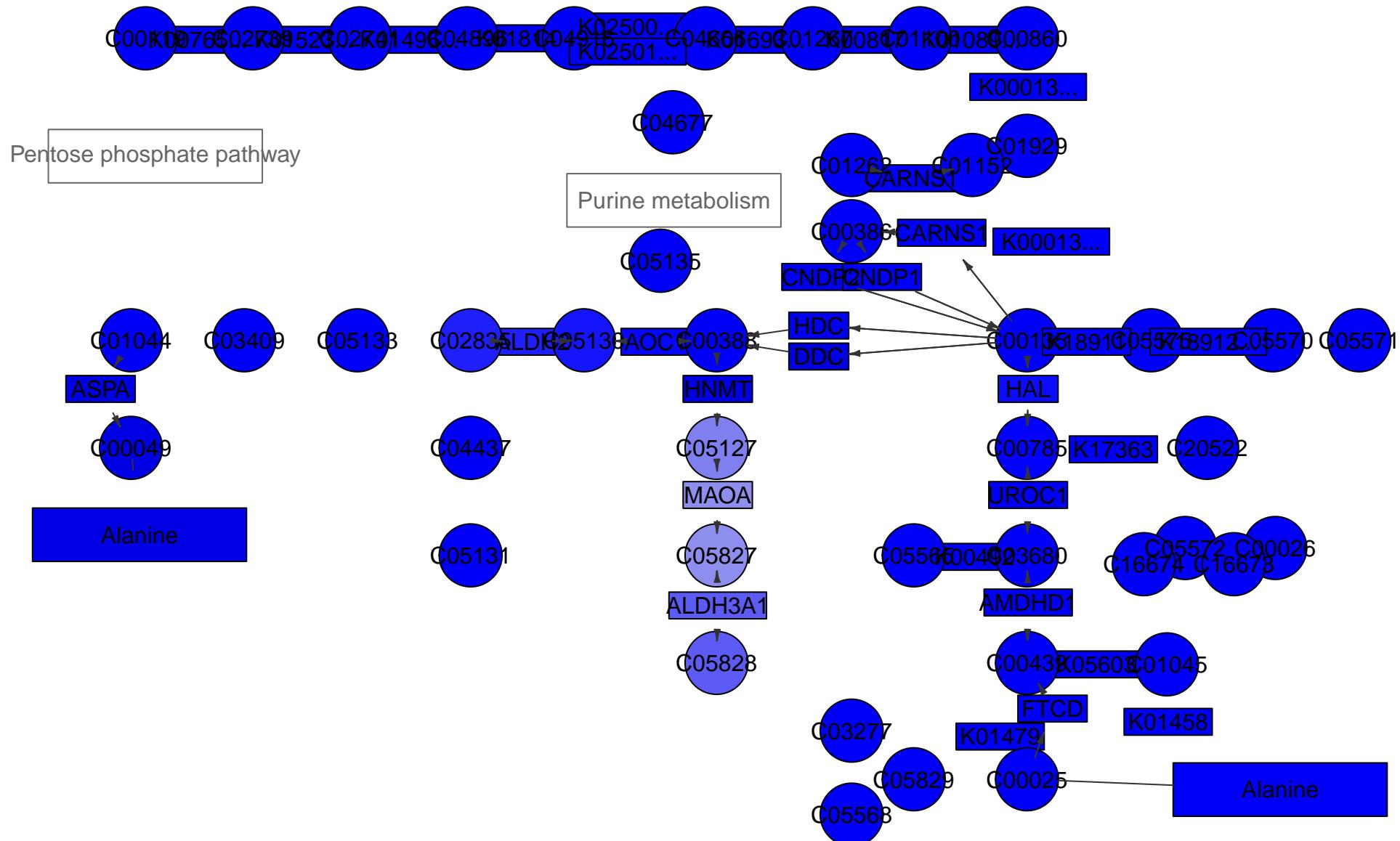


Histidine metabolism  
MPI-054

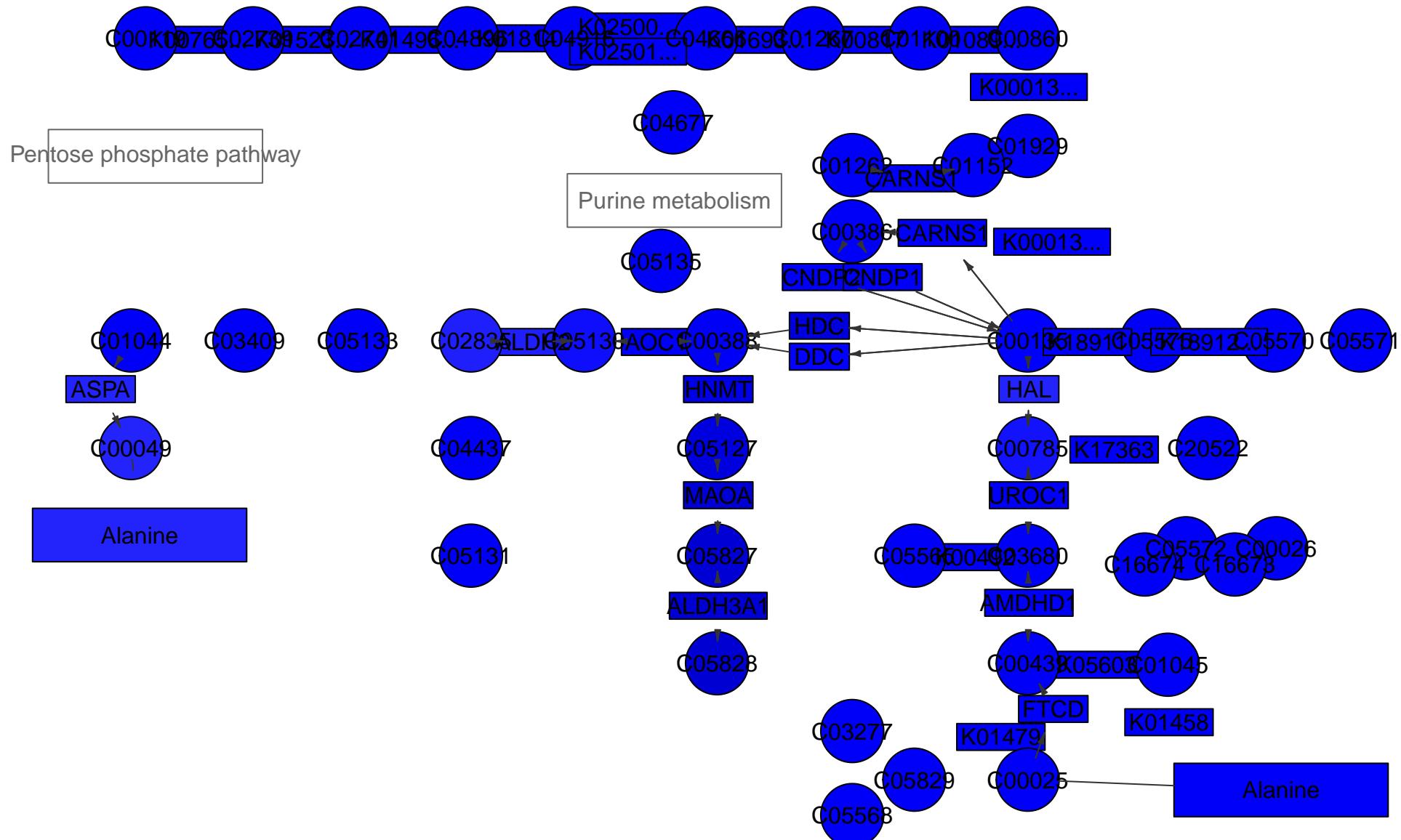


# Histidine metabolism

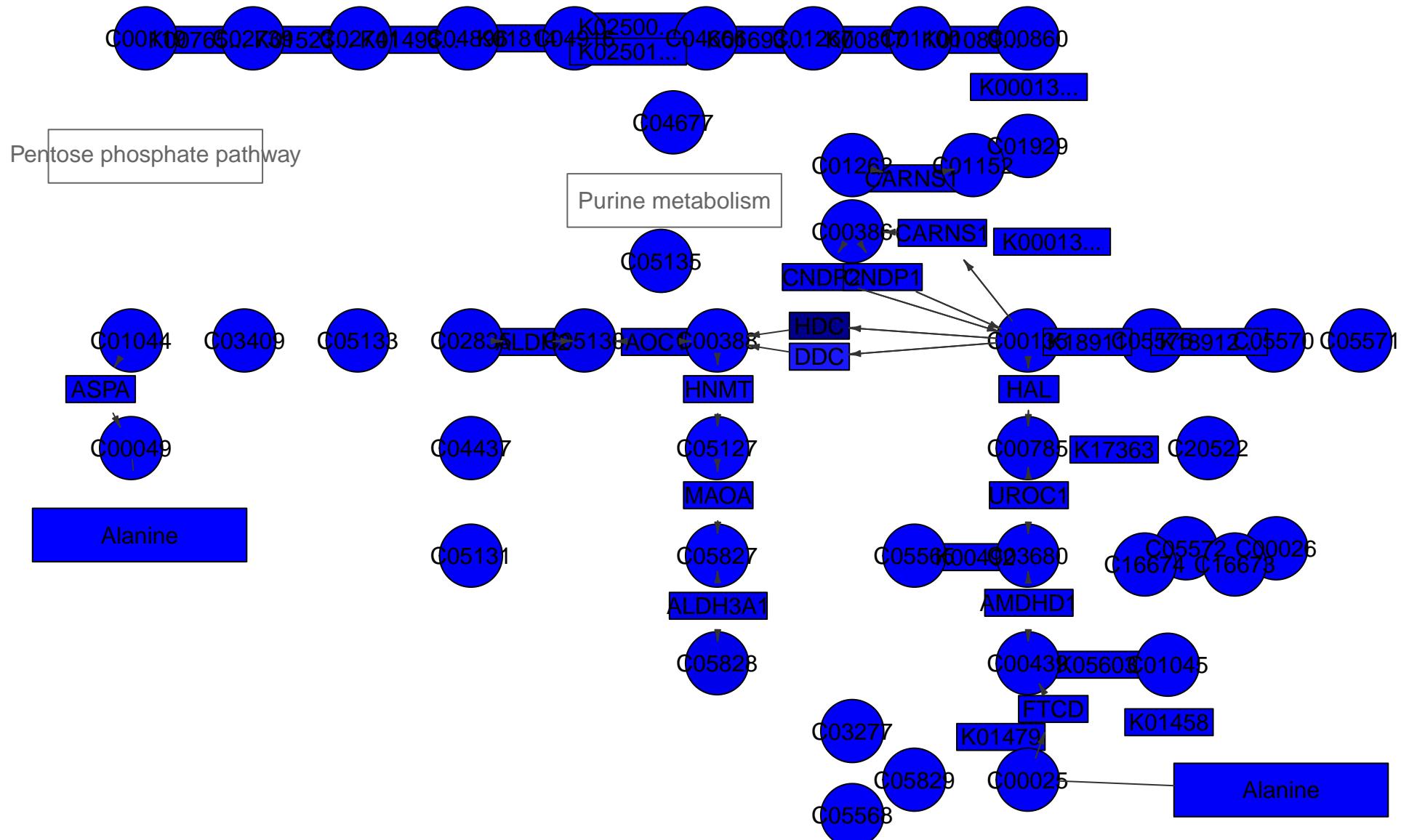
## MPI-059



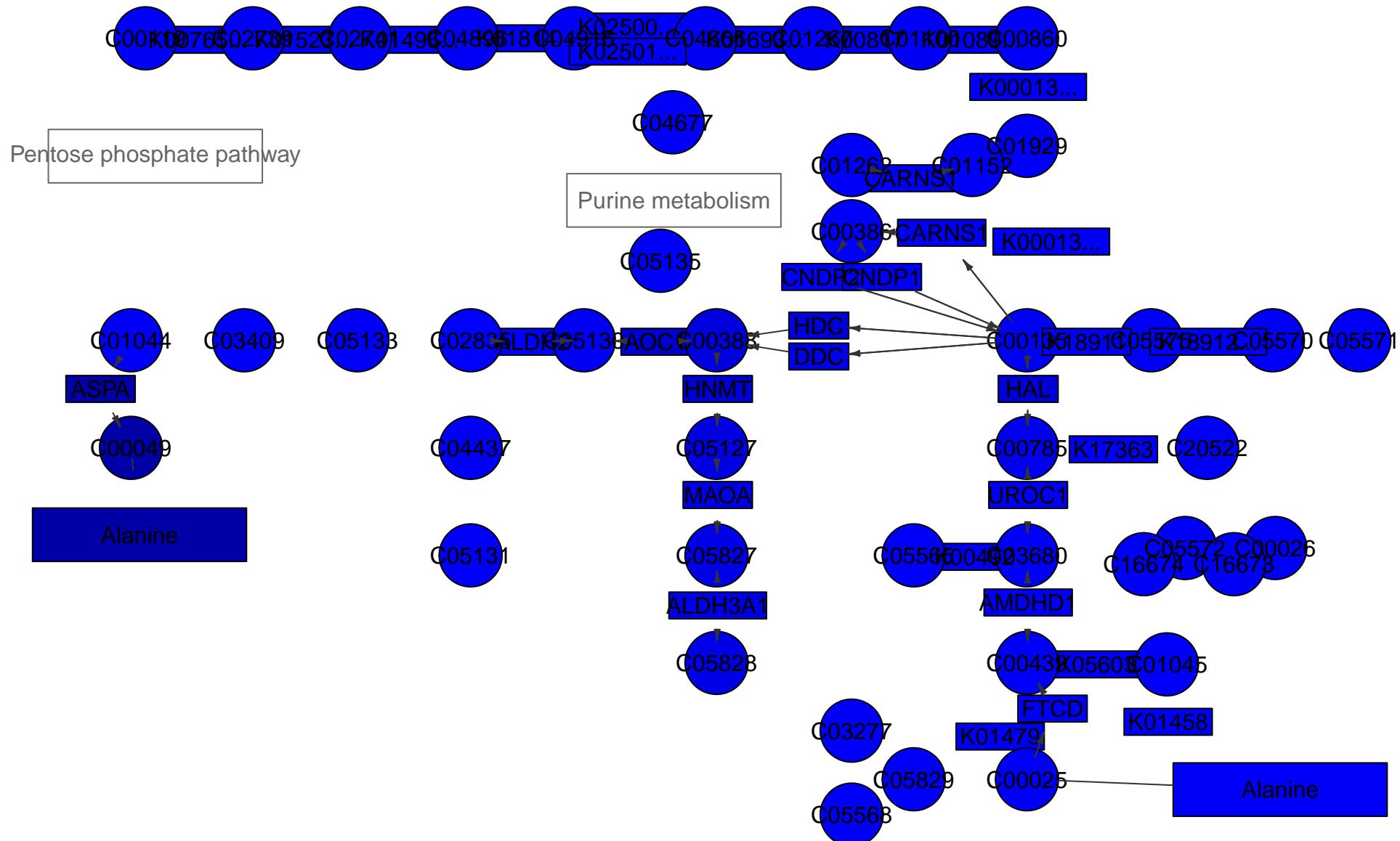
Histidine metabolism  
MPI-060



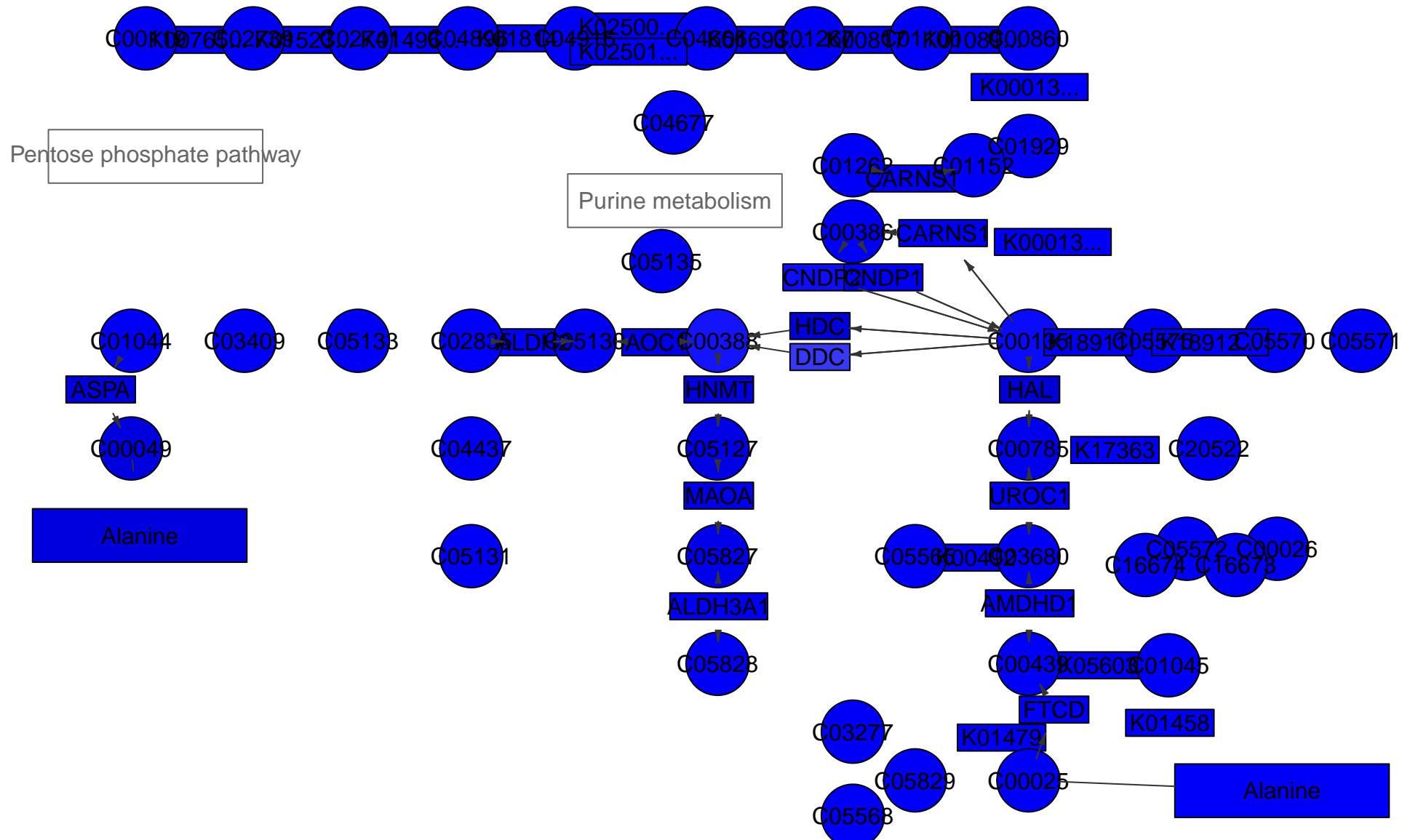
Histidine metabolism  
MPI-061



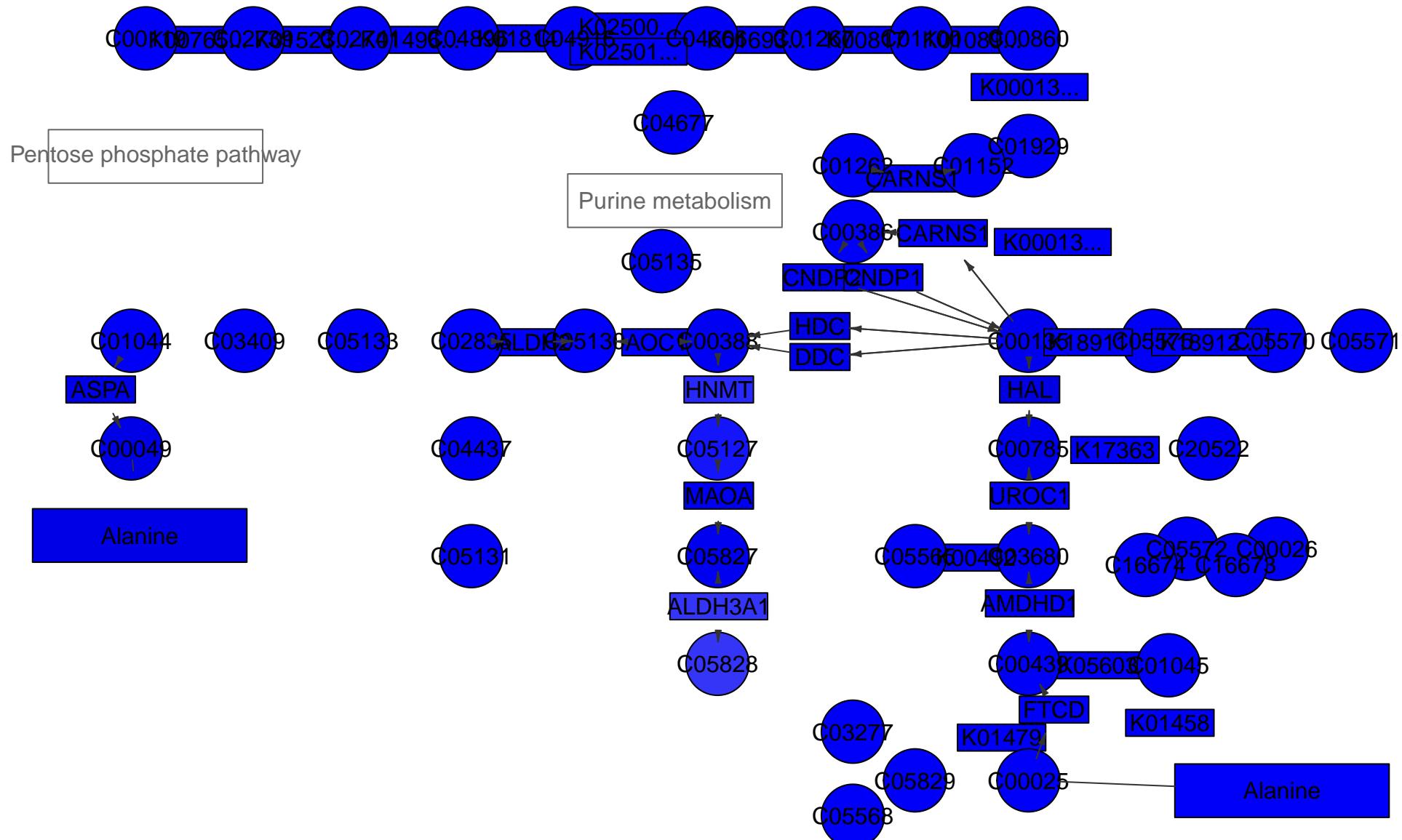
Histidine metabolism  
MPI-064



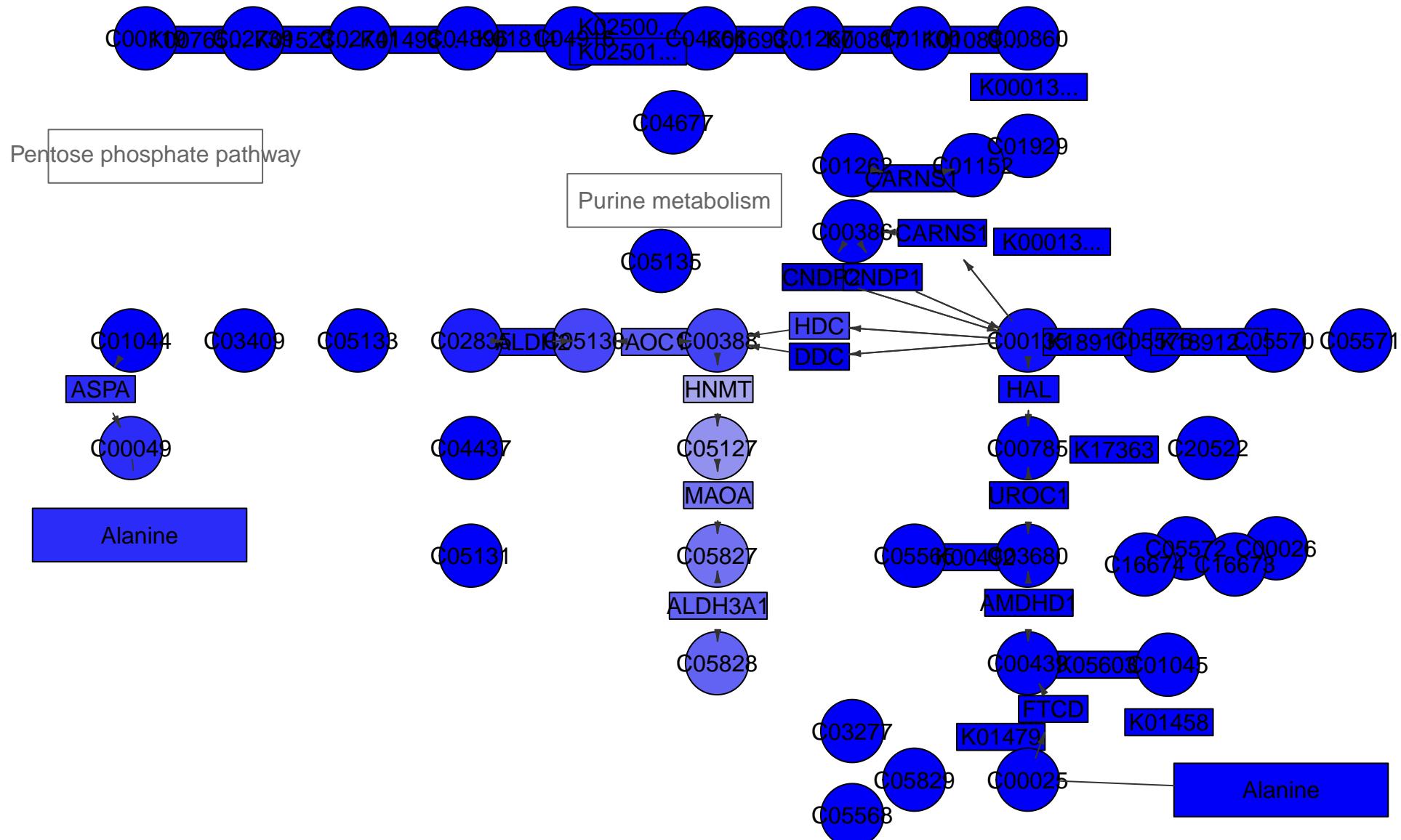
Histidine metabolism  
MPI-070



Histidine metabolism  
MPI-072

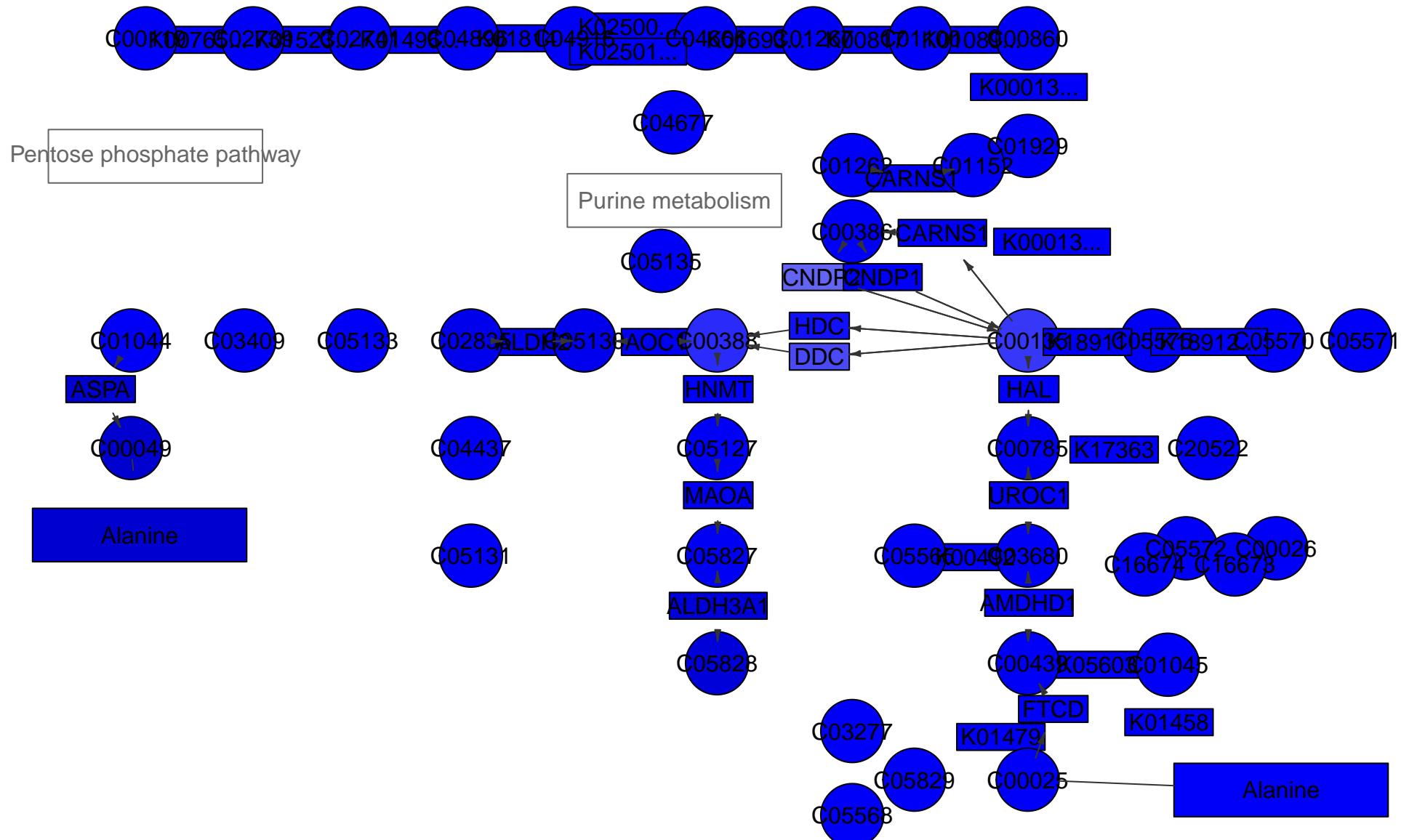


Histidine metabolism  
MPI-093



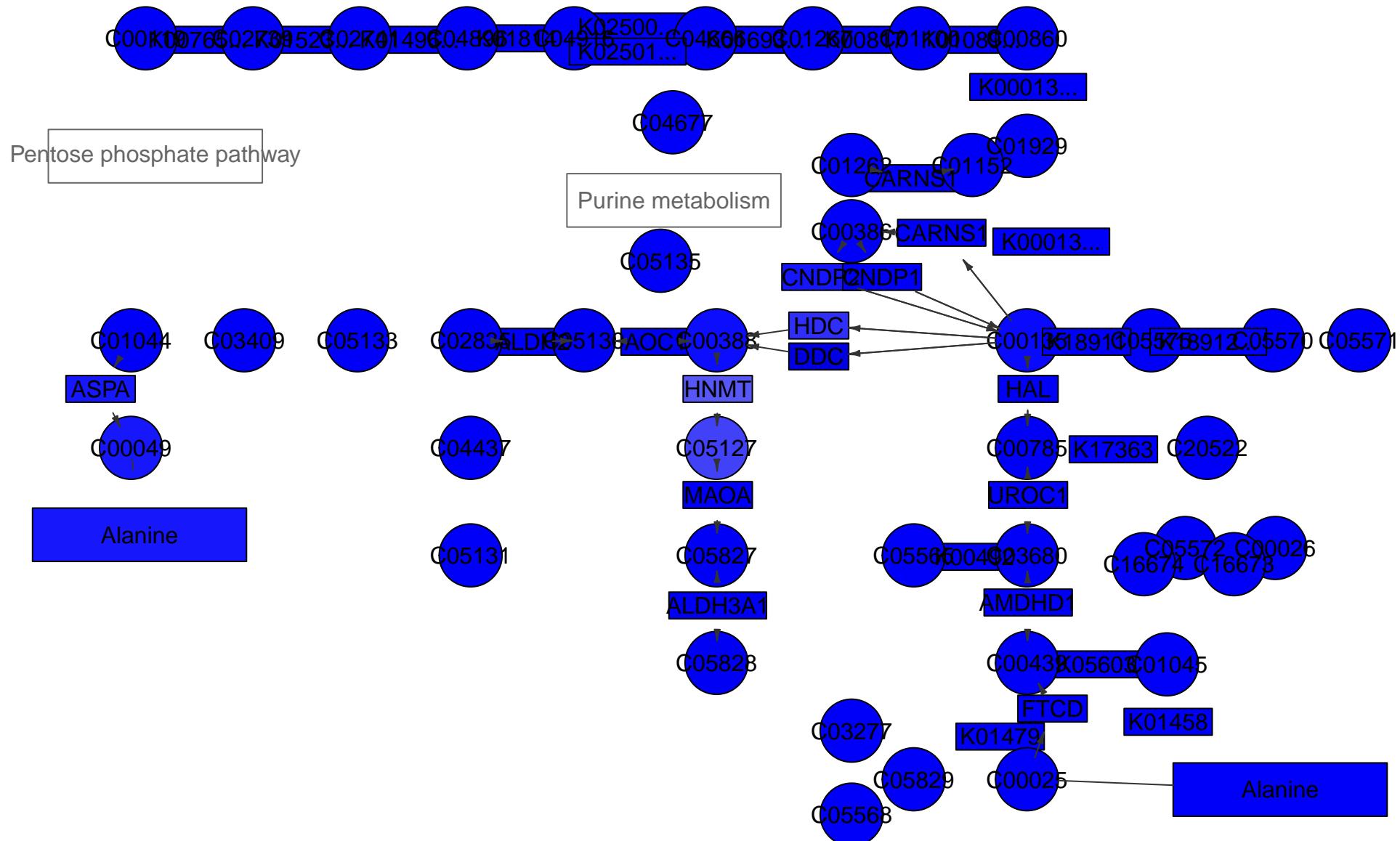
# Histidine metabolism

## MPI-094

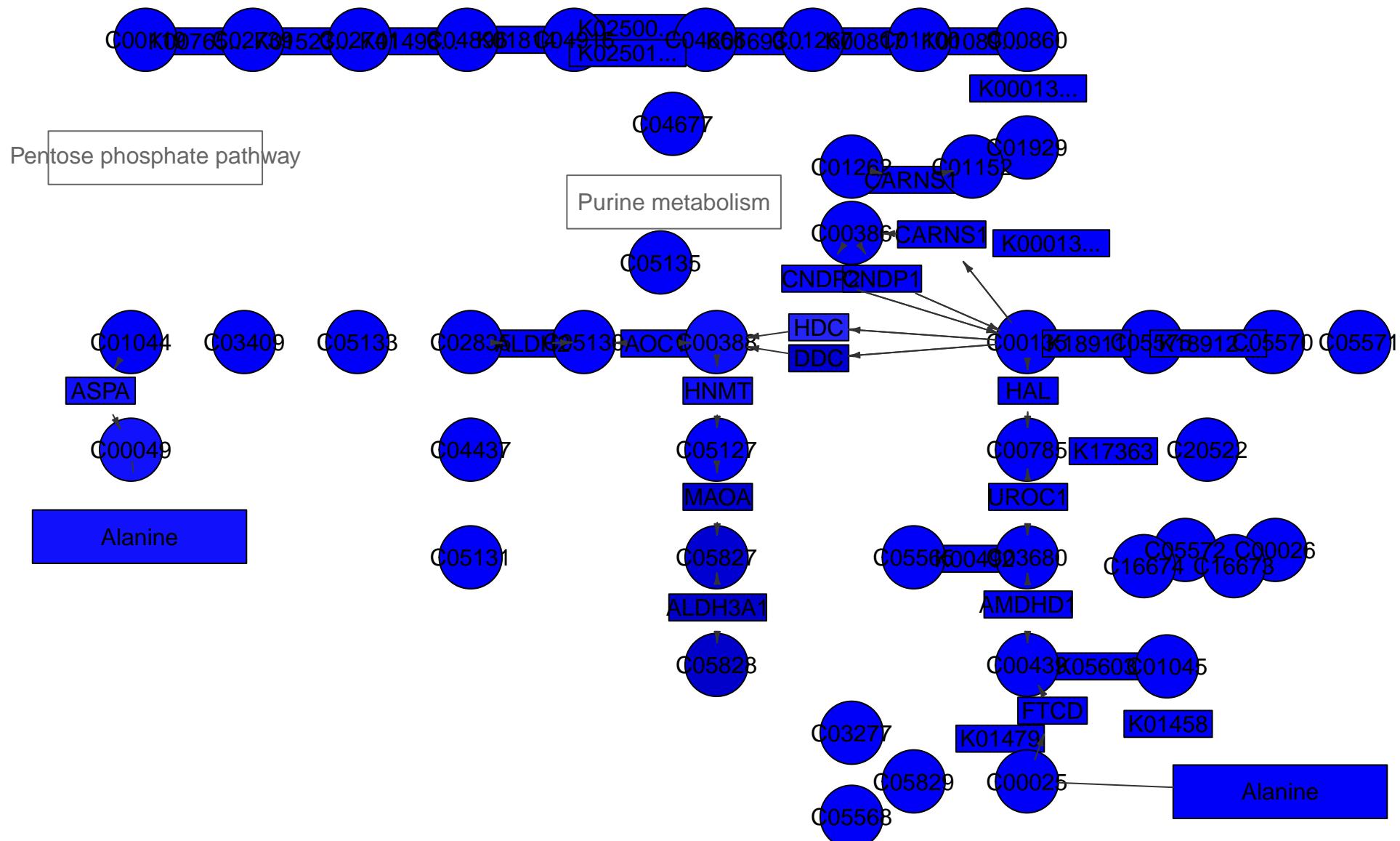


# Histidine metabolism

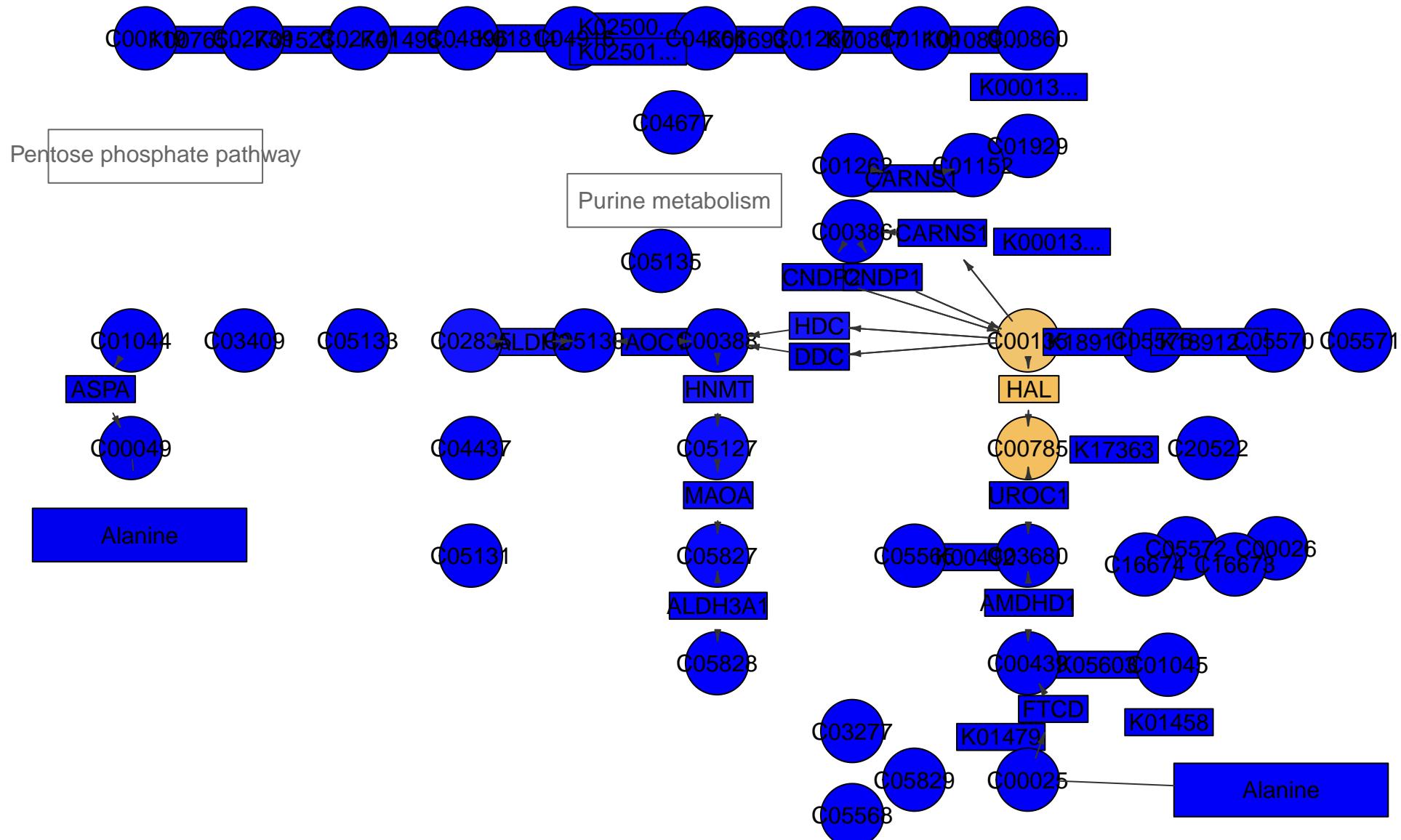
## MPI-099



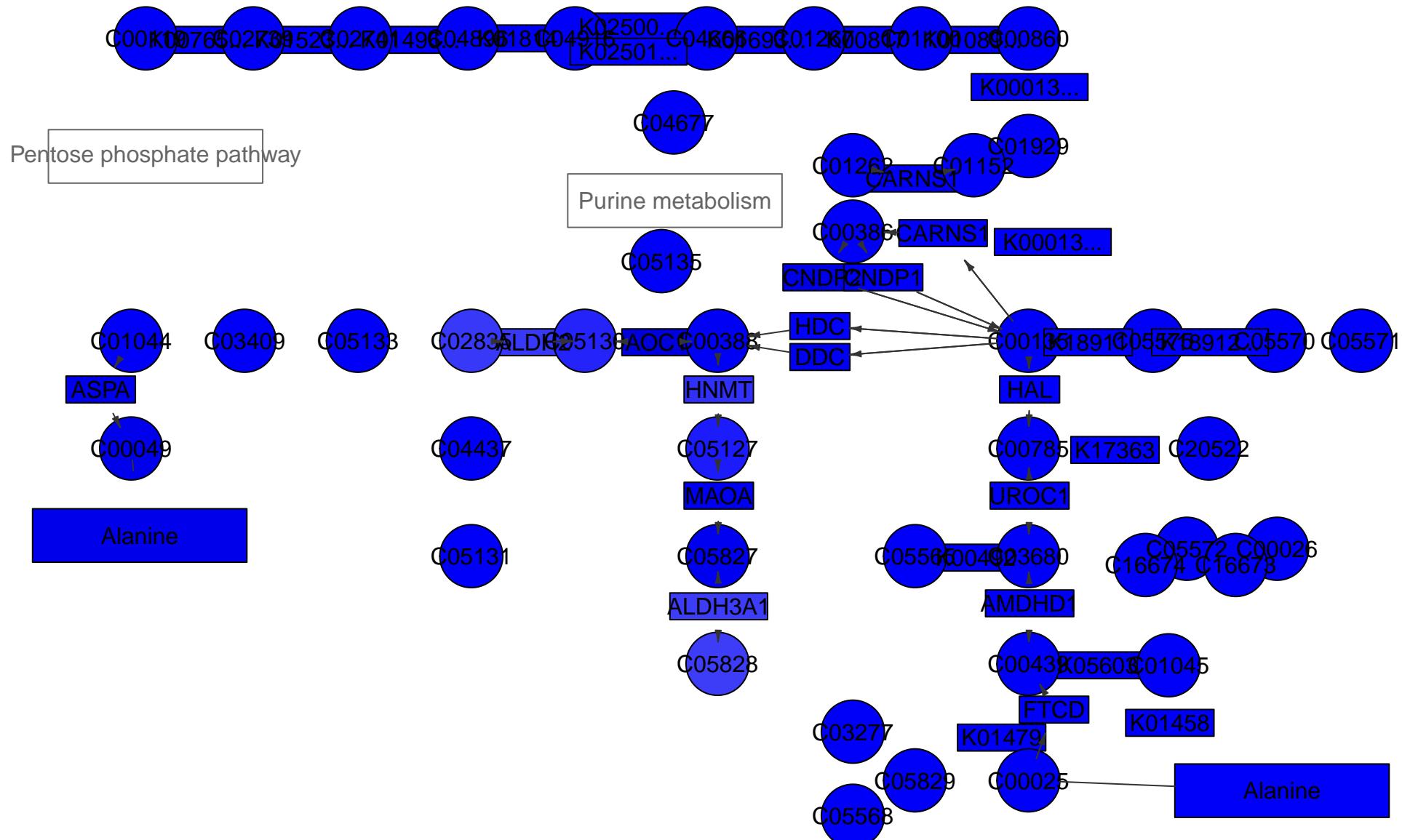
Histidine metabolism  
MPI-104



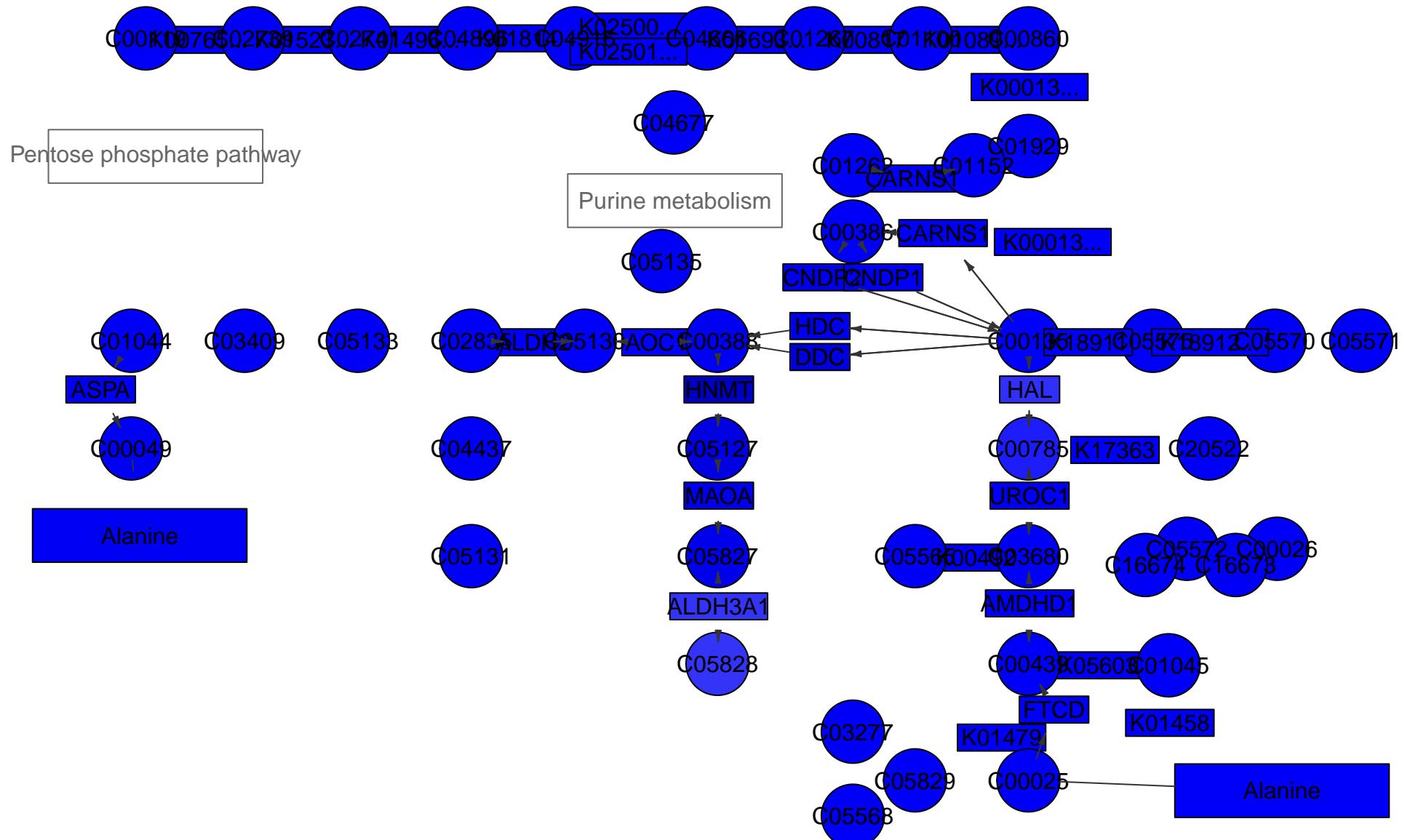
Histidine metabolism  
MPI-107



Histidine metabolism  
MPI-112

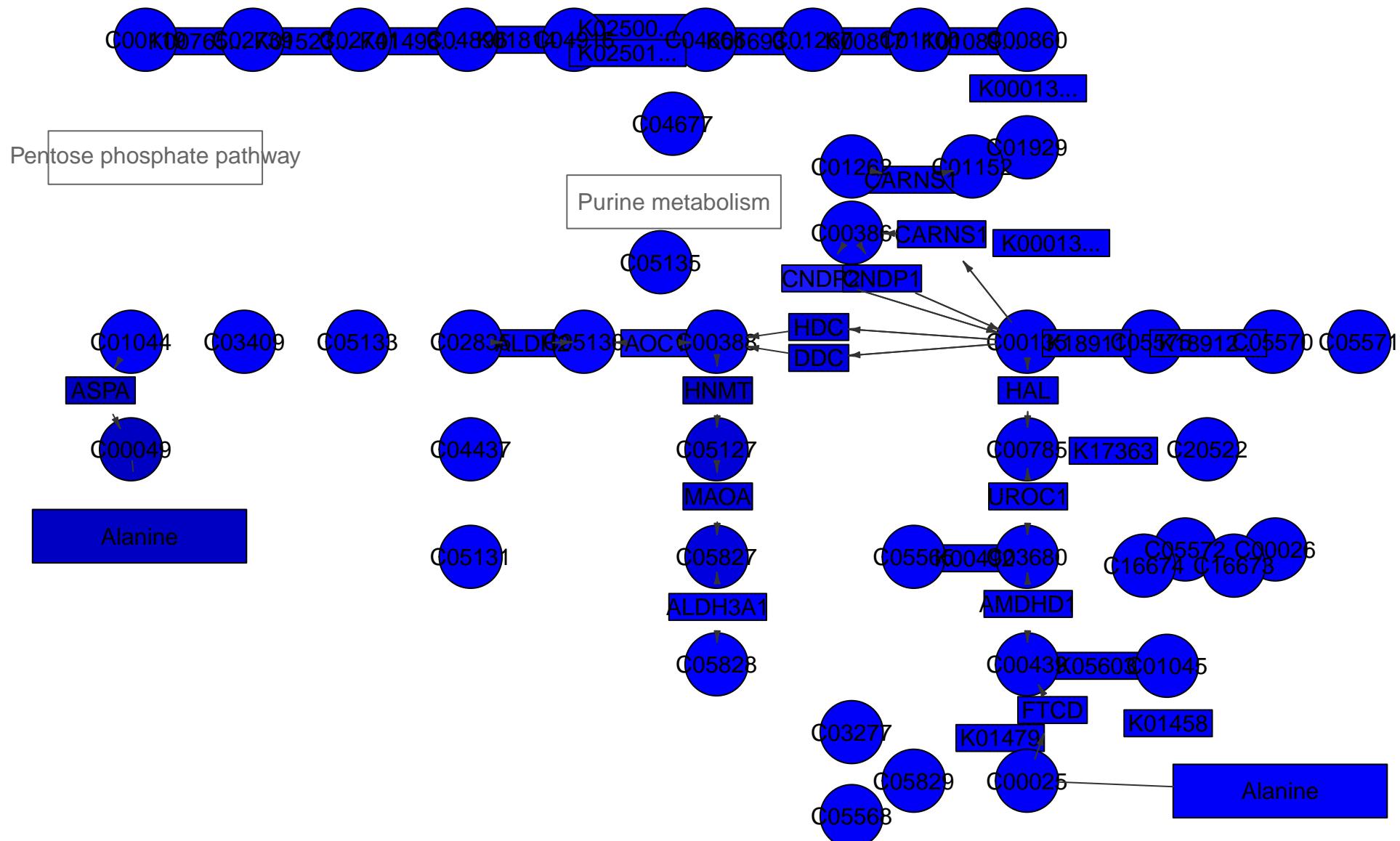


Histidine metabolism  
MPI-116

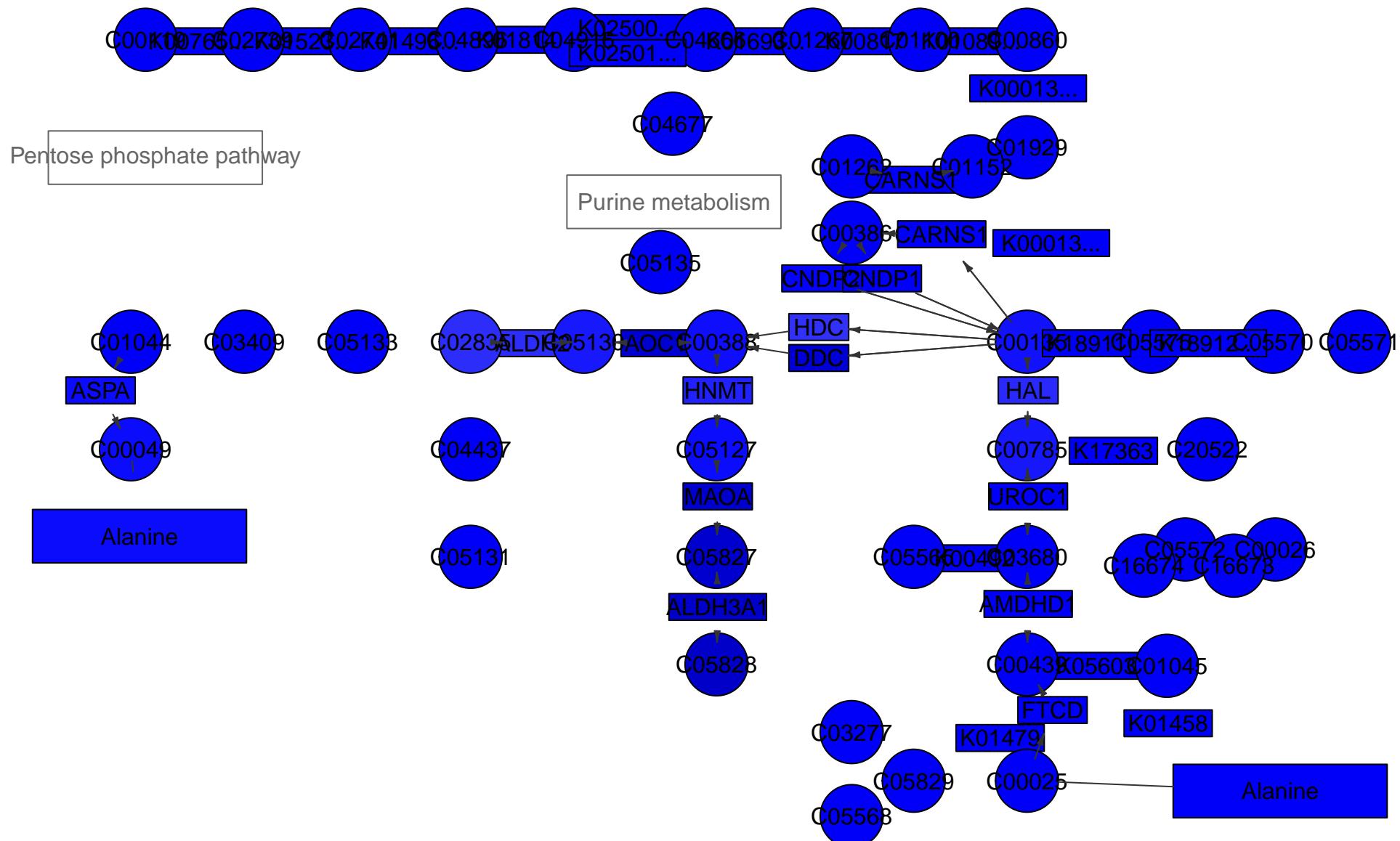


# Histidine metabolism

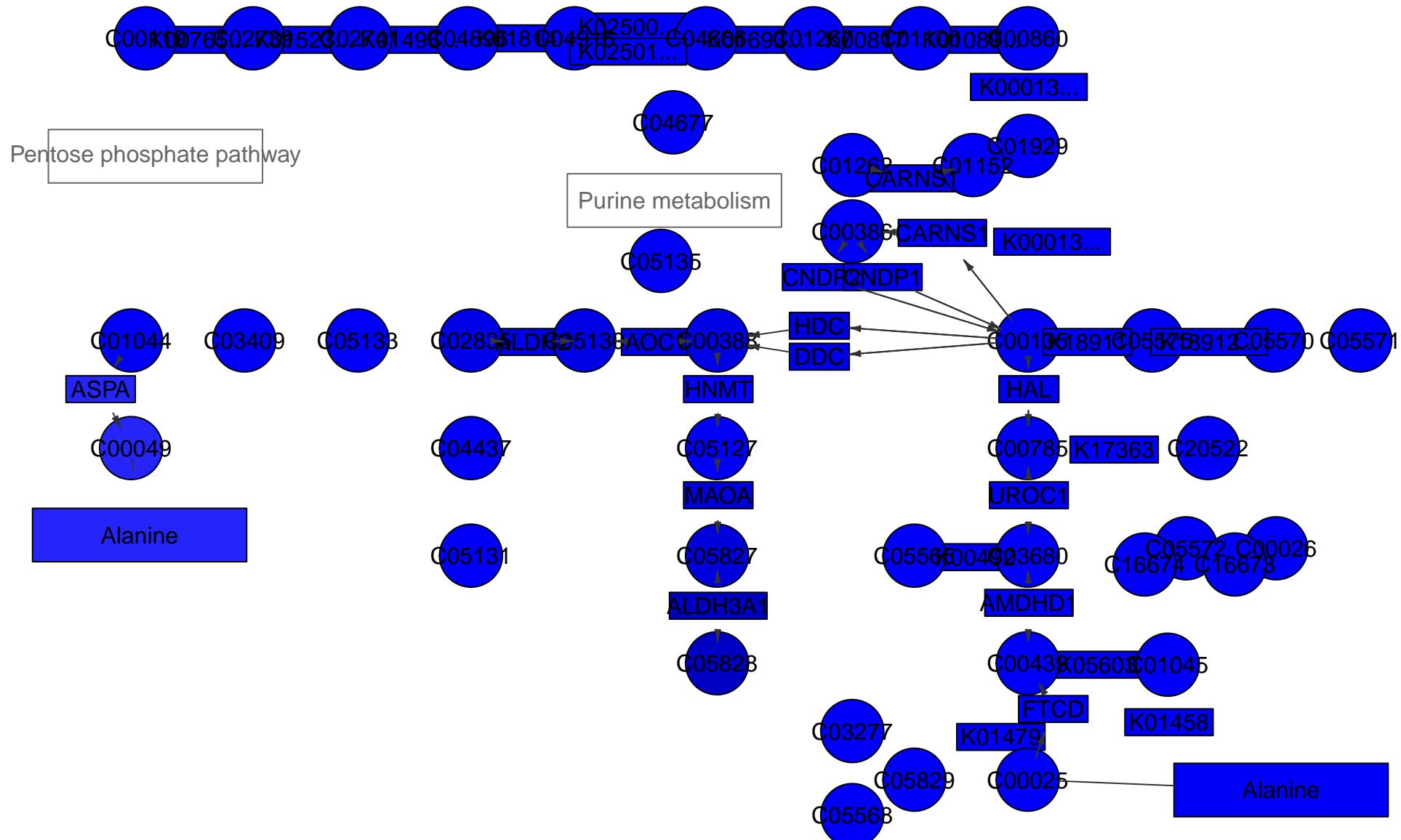
## MPI-117



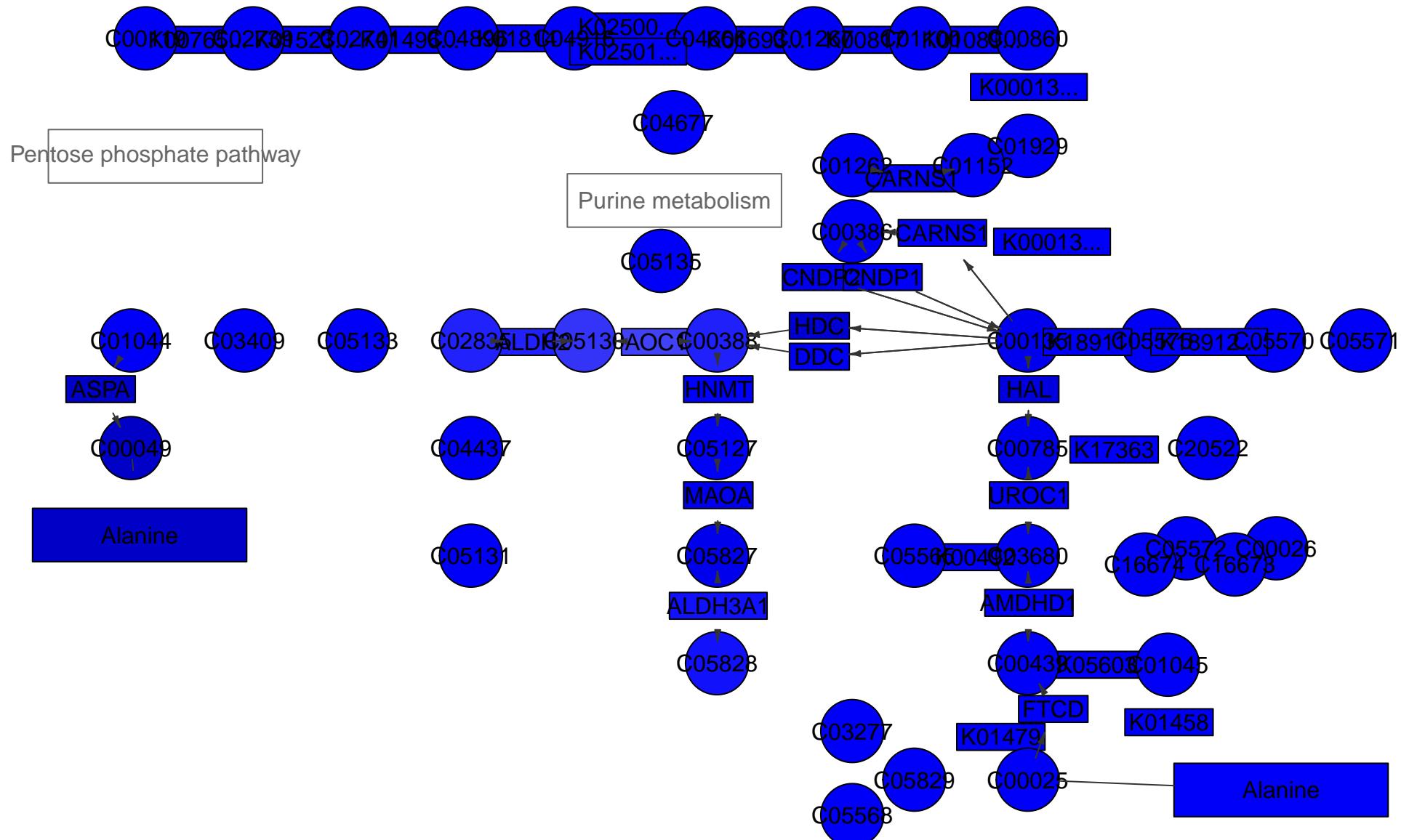
Histidine metabolism  
MPI-120



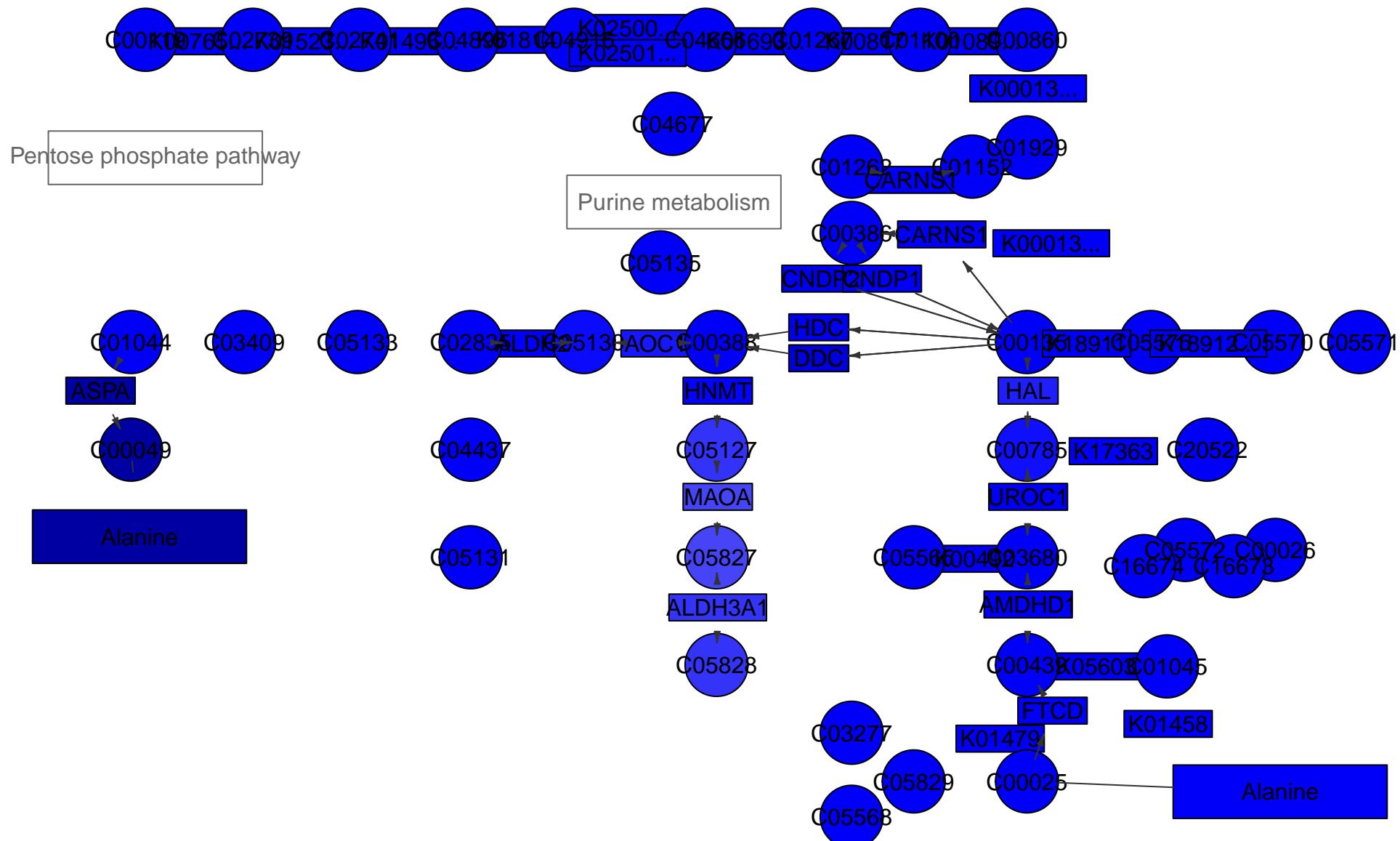
Histidine metabolism  
MPI-121



Histidine metabolism  
MPI-124

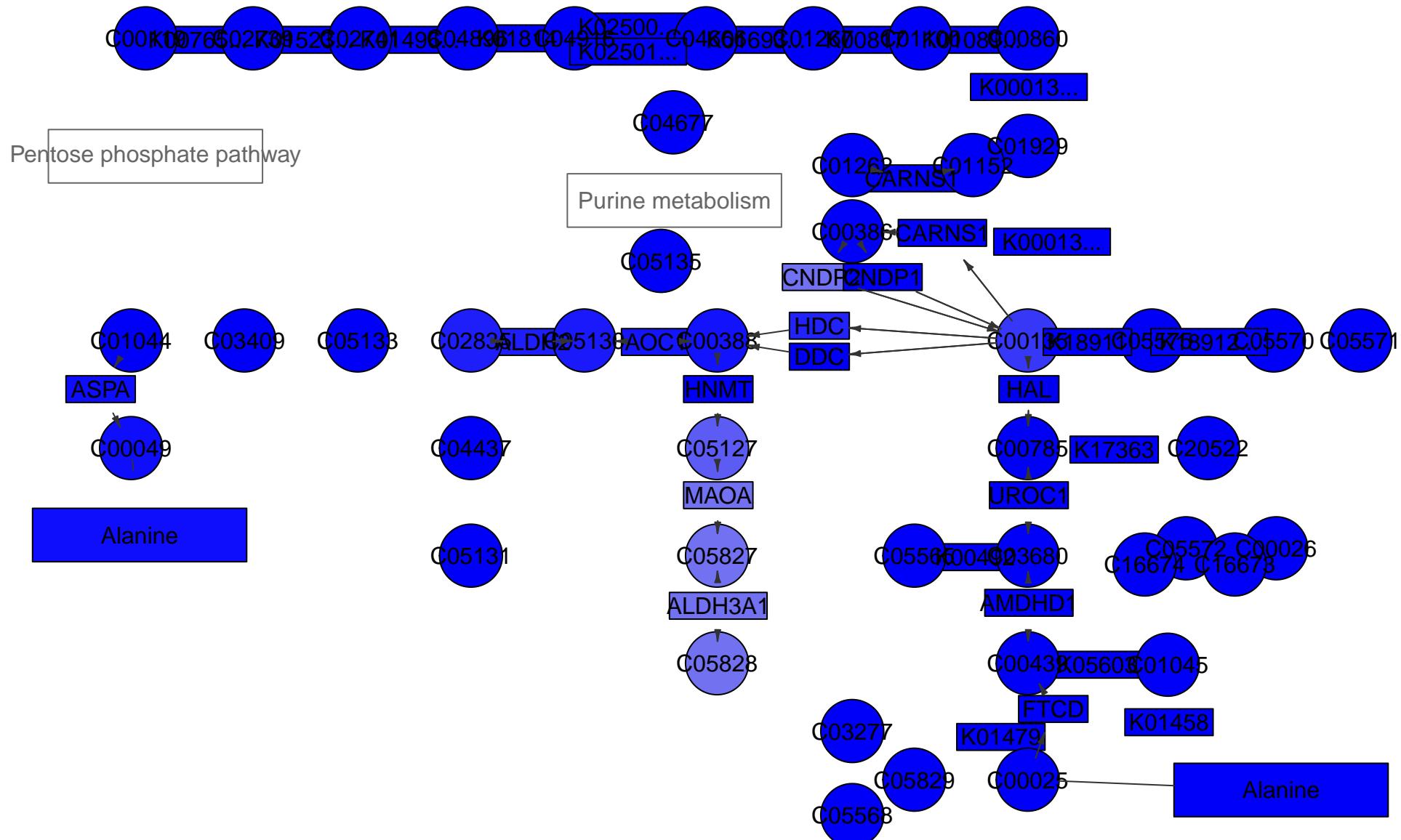


Histidine metabolism  
MPI-126

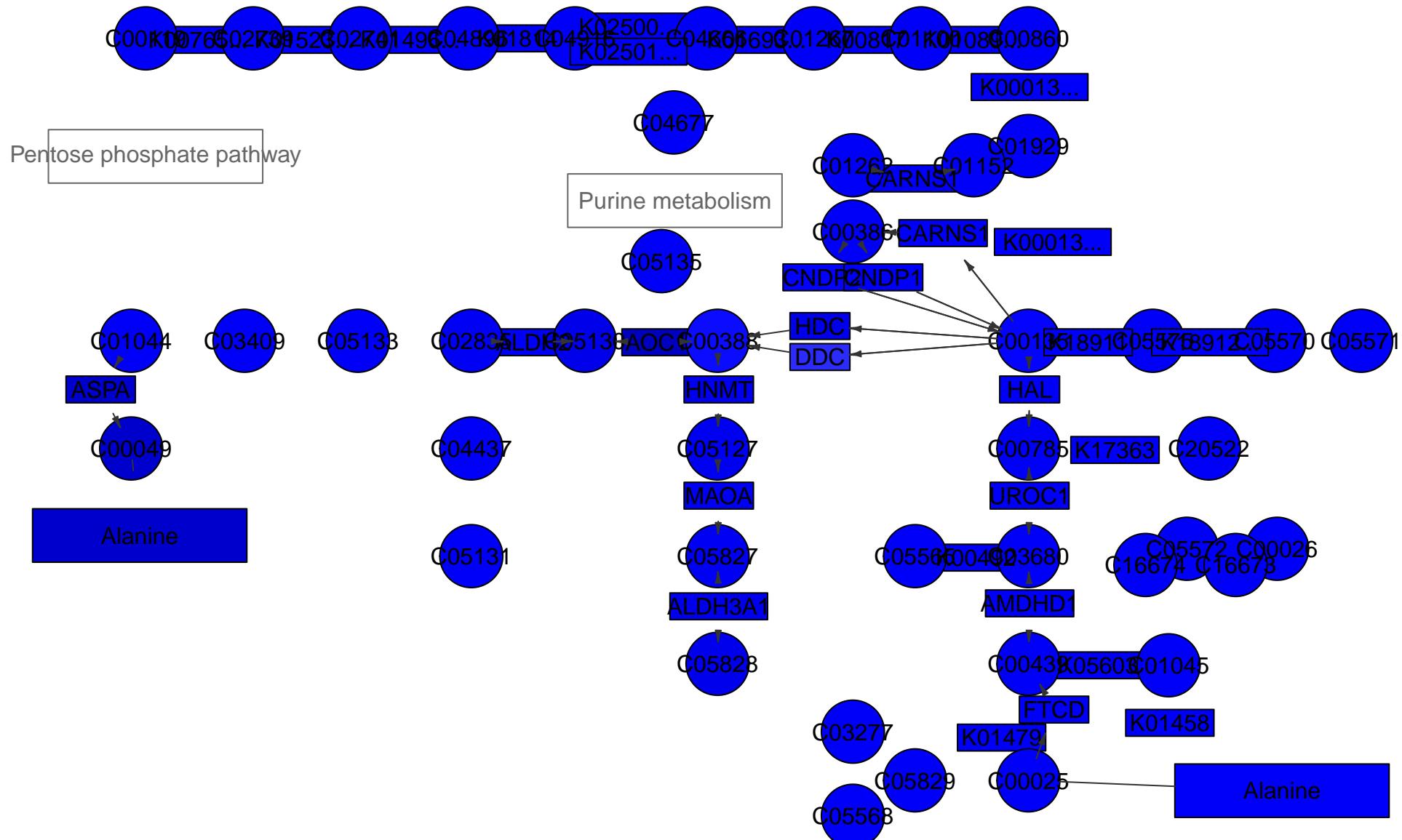


# Histidine metabolism

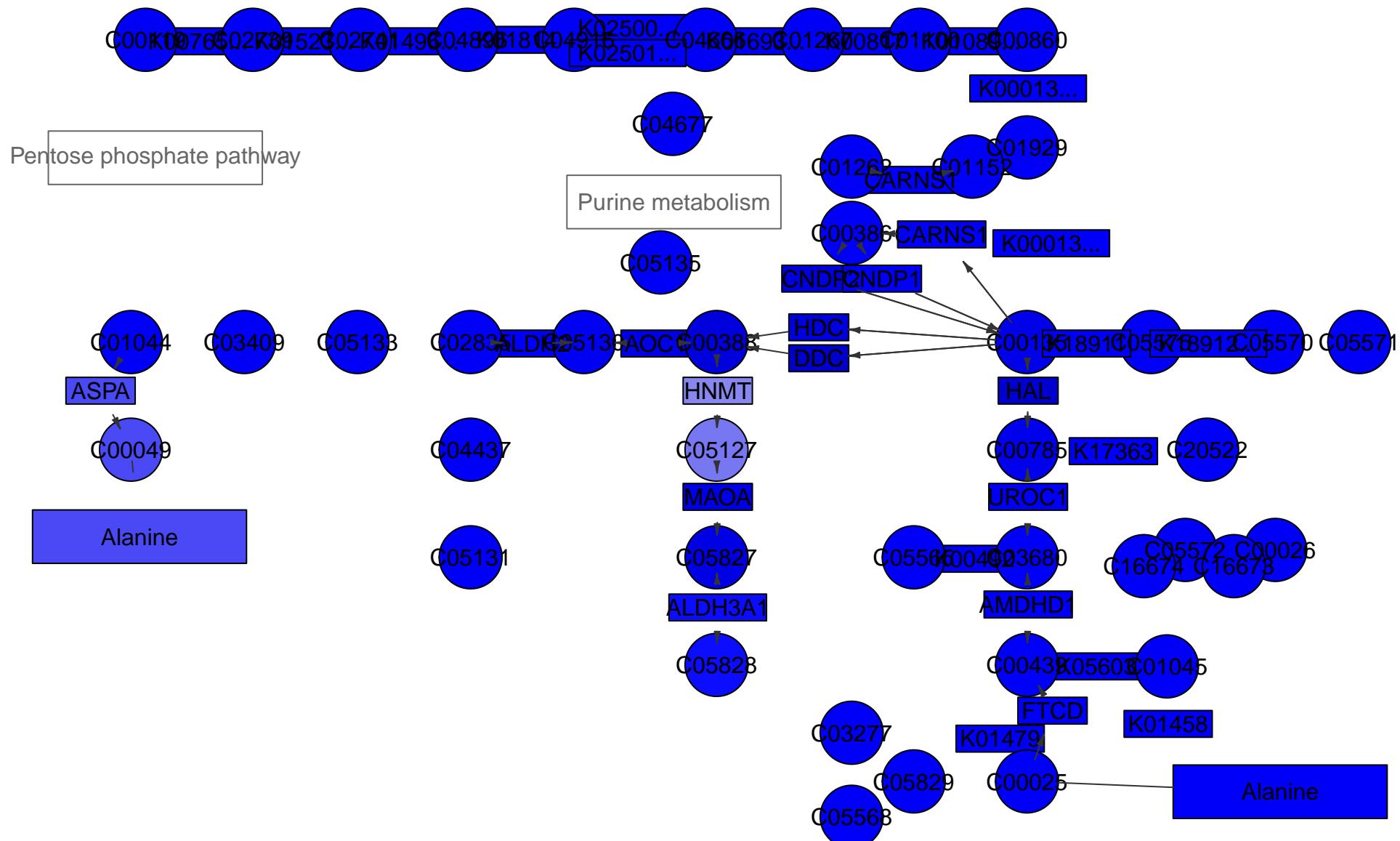
## MPI-131



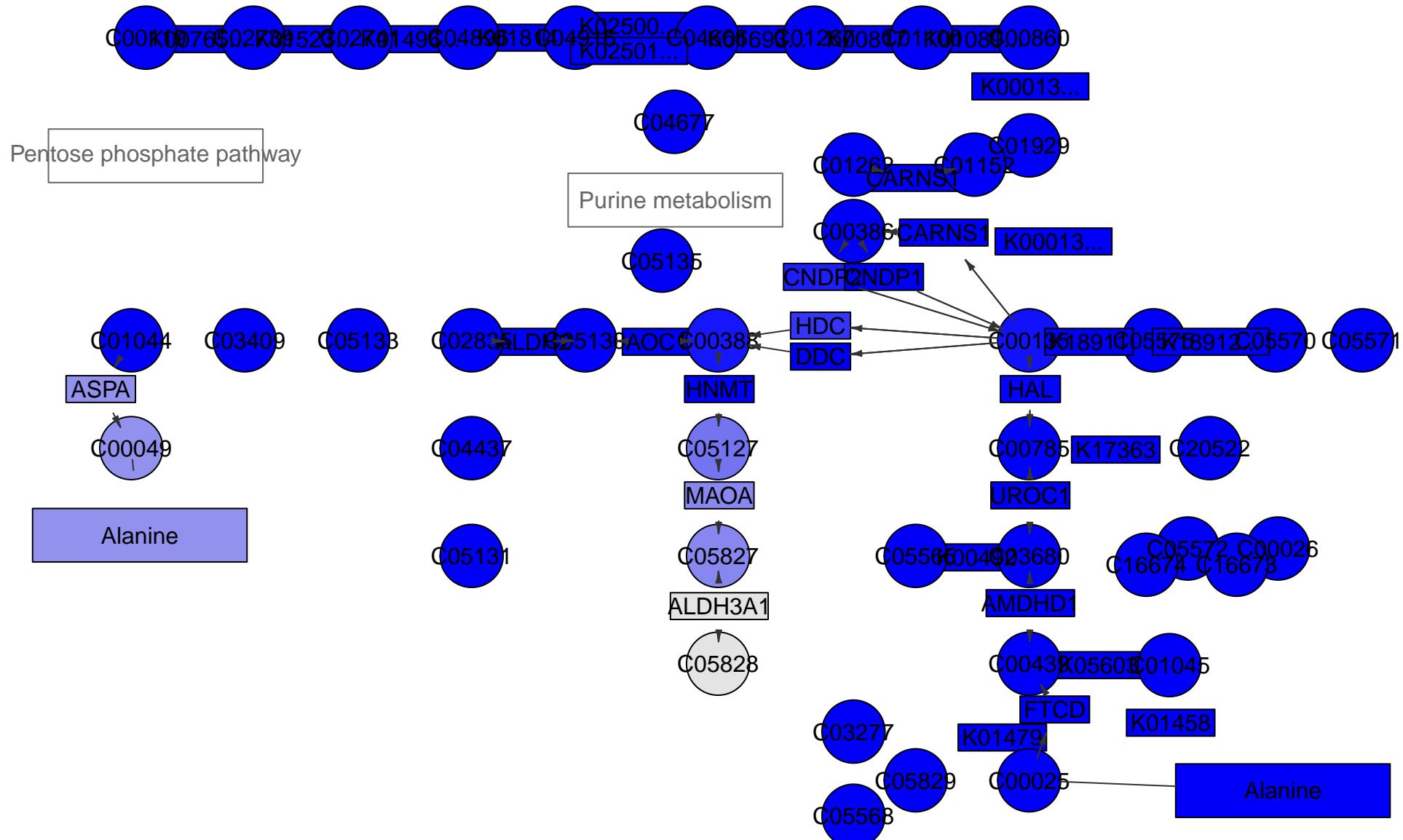
Histidine metabolism  
MPI-143



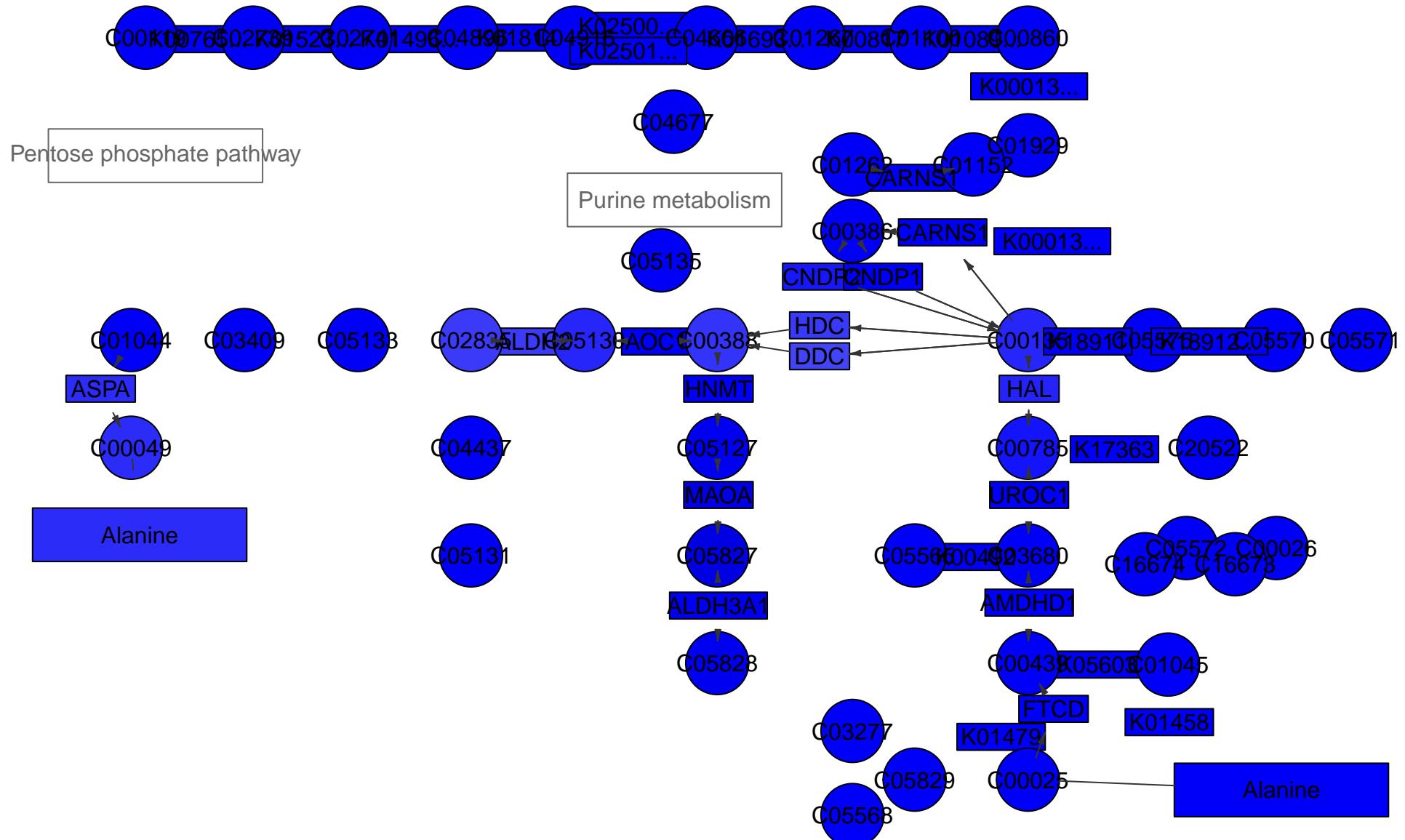
Histidine metabolism  
MPI-148



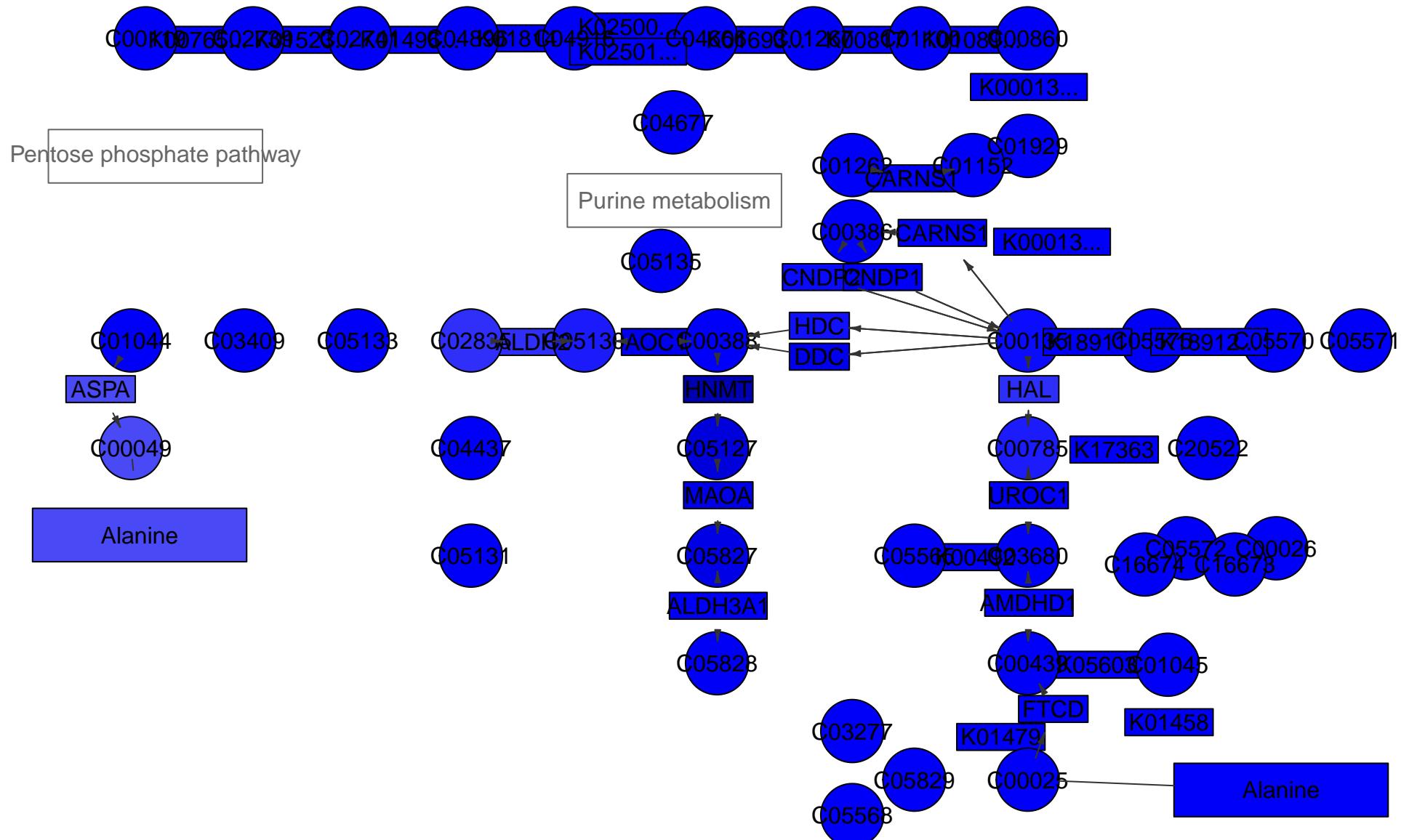
## Histidine metabolism MPI-161



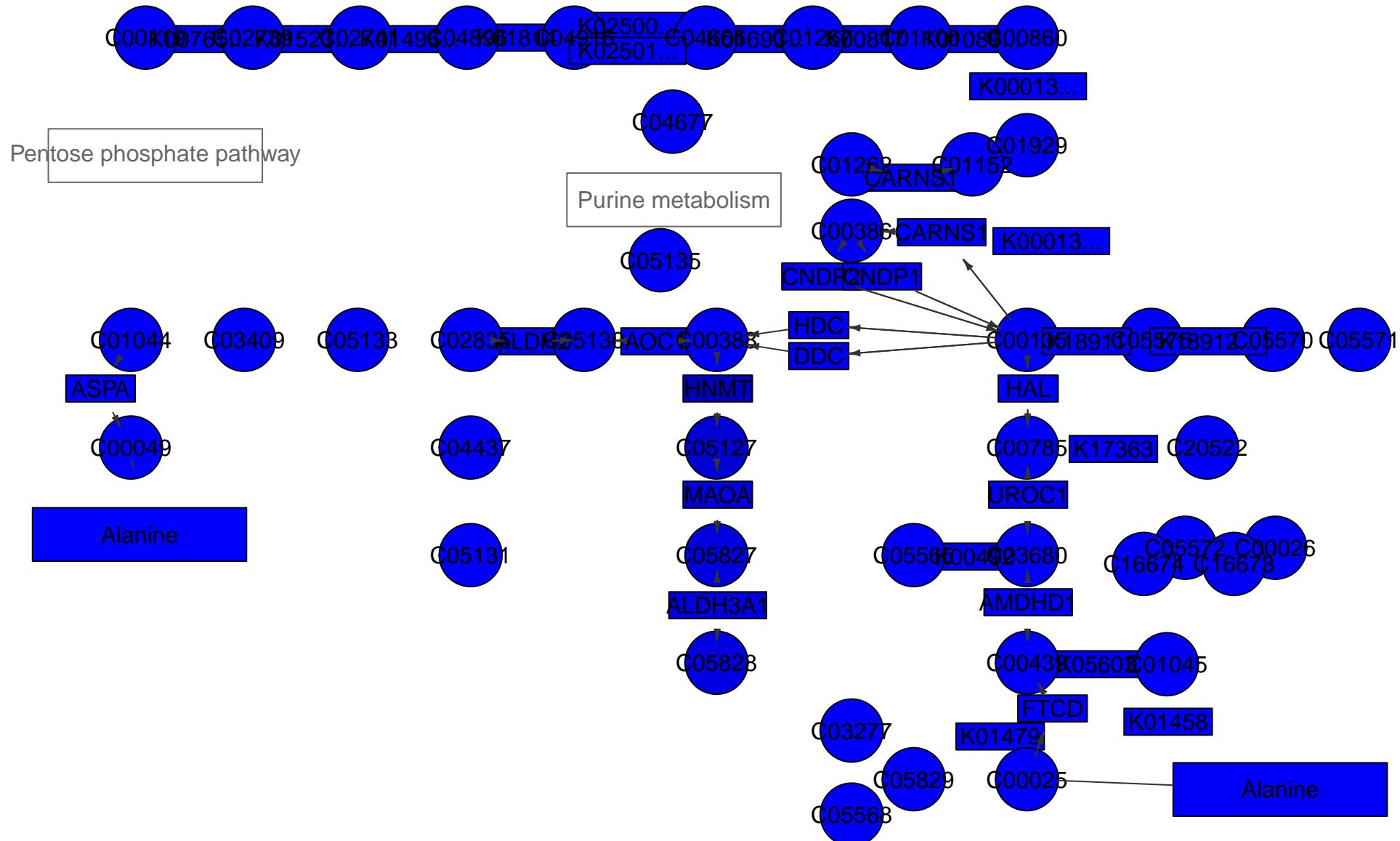
Histidine metabolism  
MPI-162



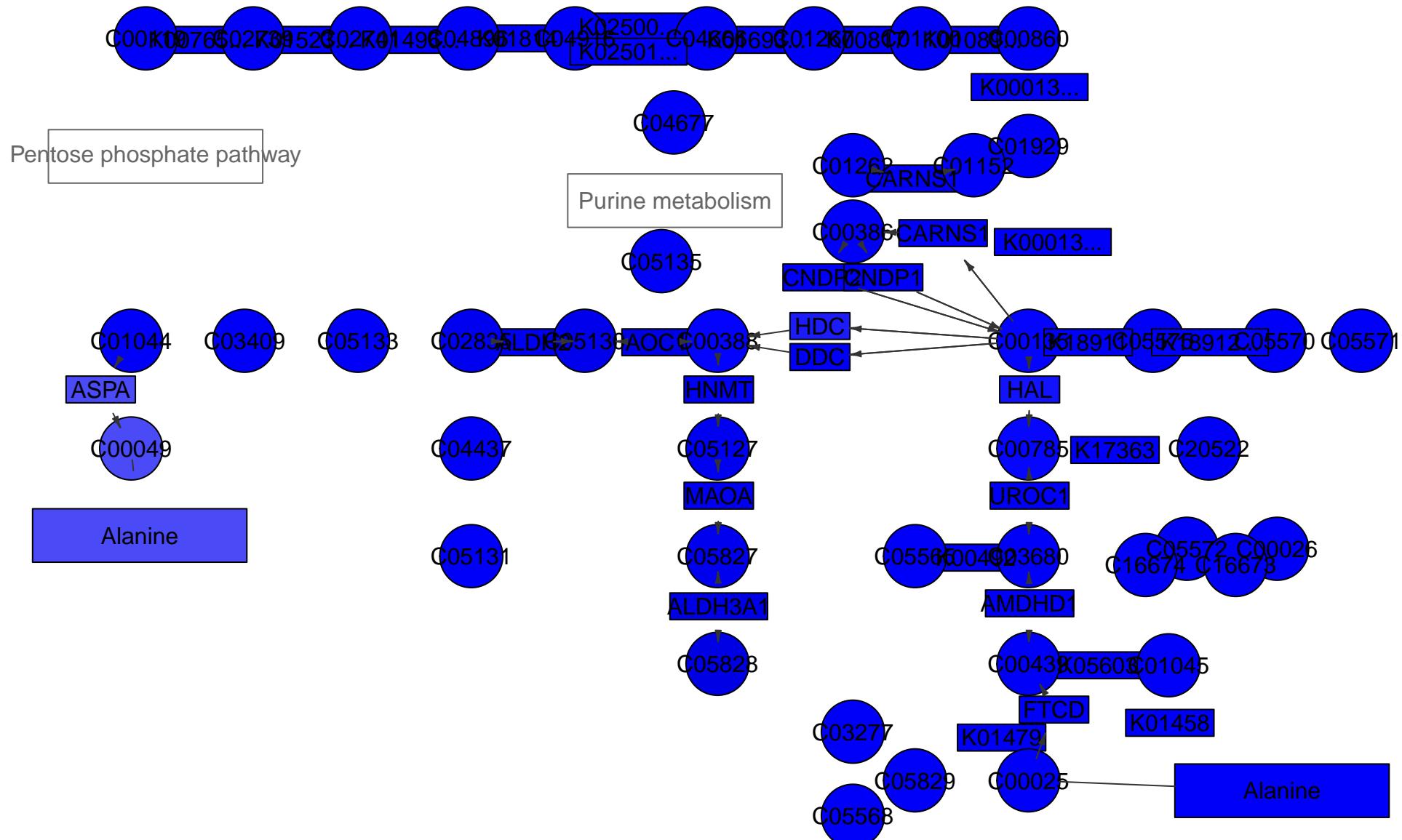
Histidine metabolism  
MPI-165



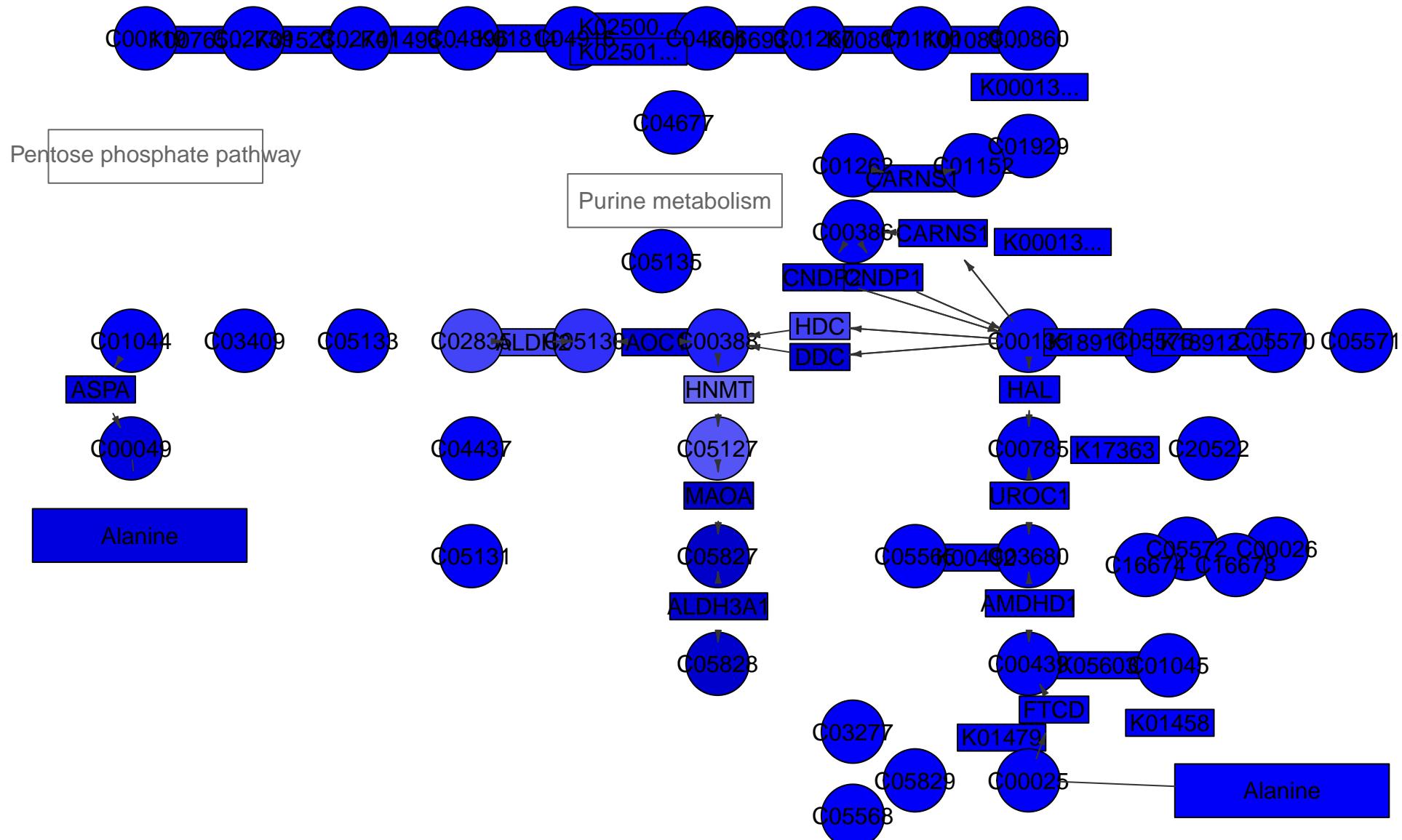
Histidine metabolism  
MPI-169



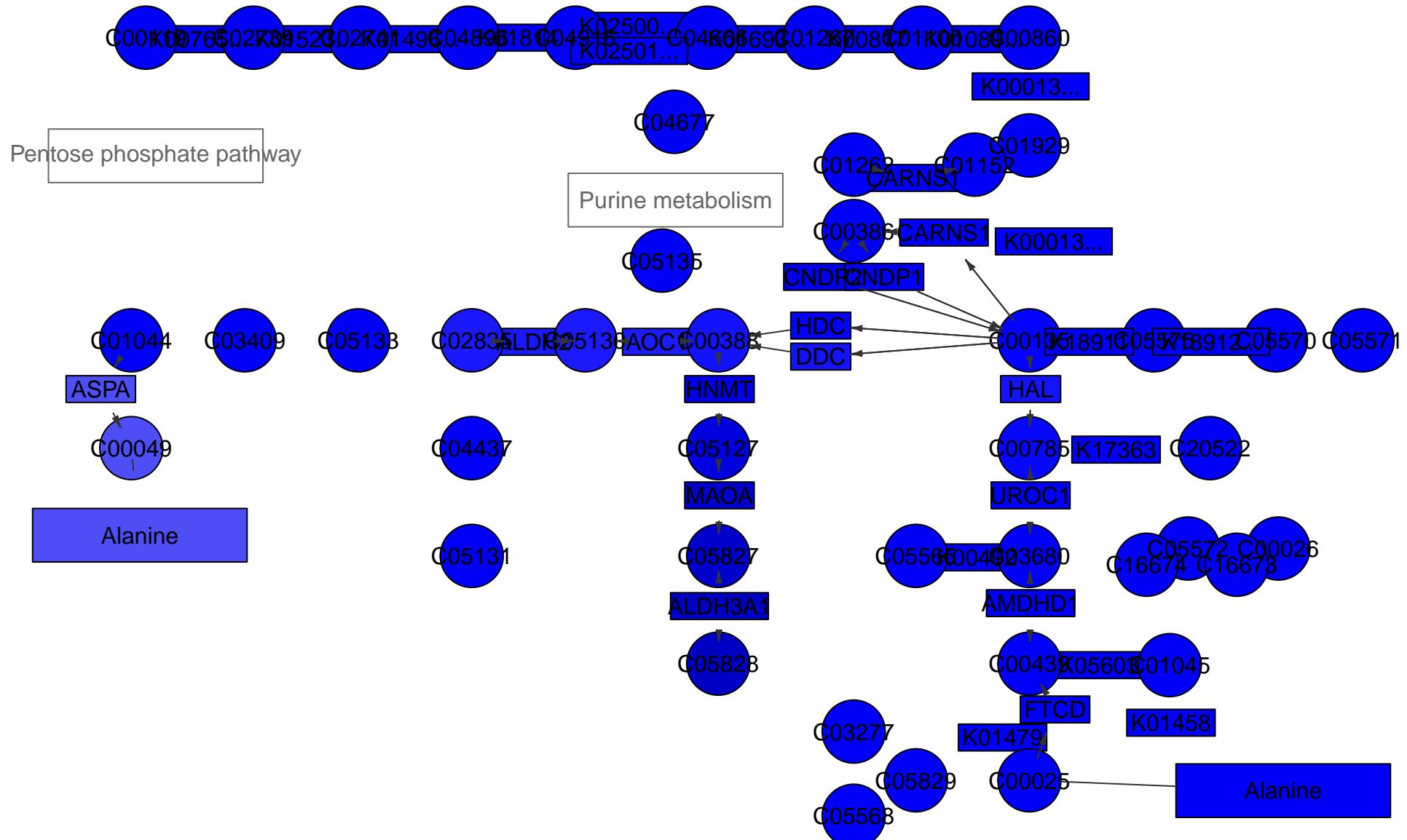
Histidine metabolism  
MPI-175



Histidine metabolism  
MPI-187

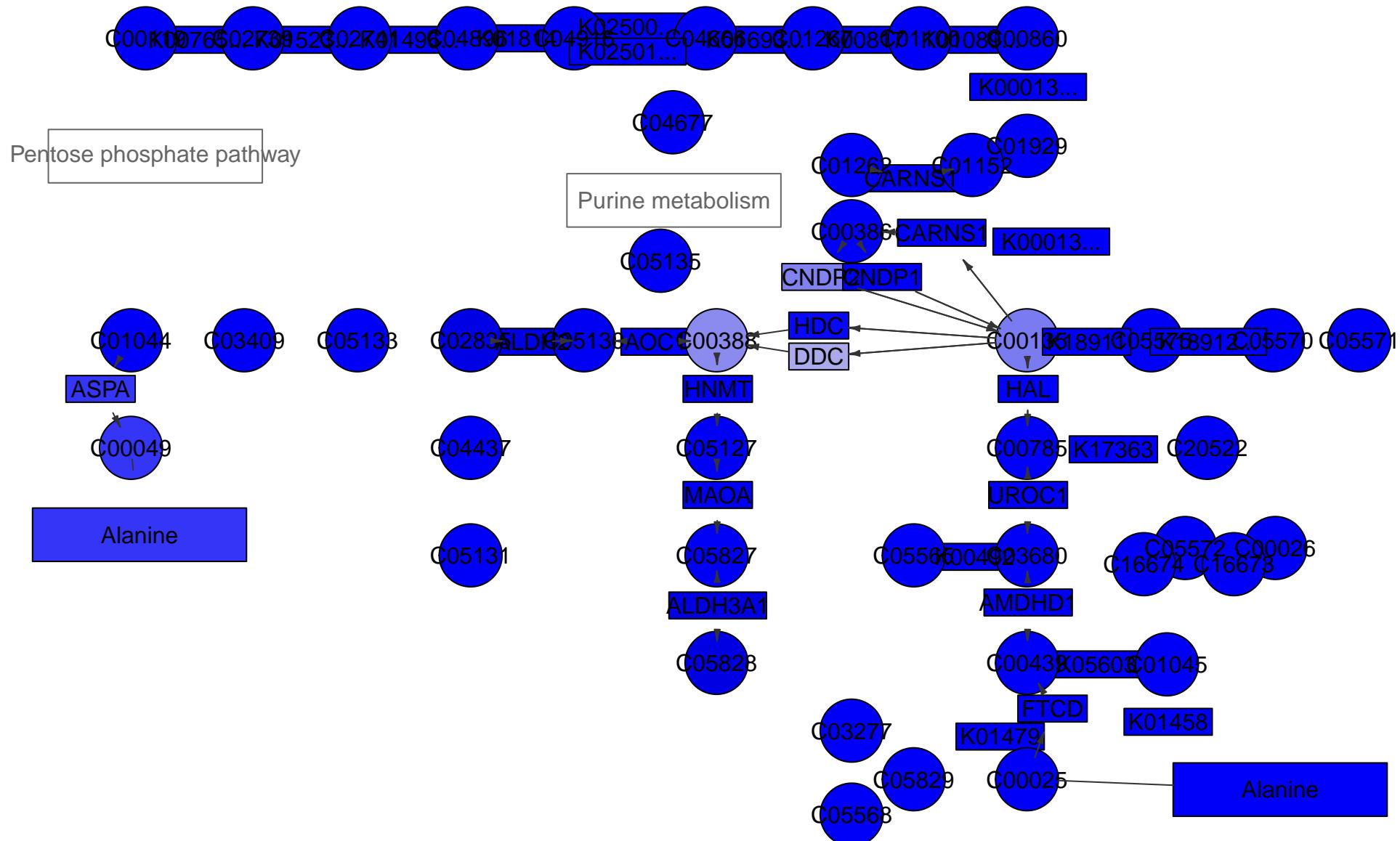


Histidine metabolism  
MPI-193



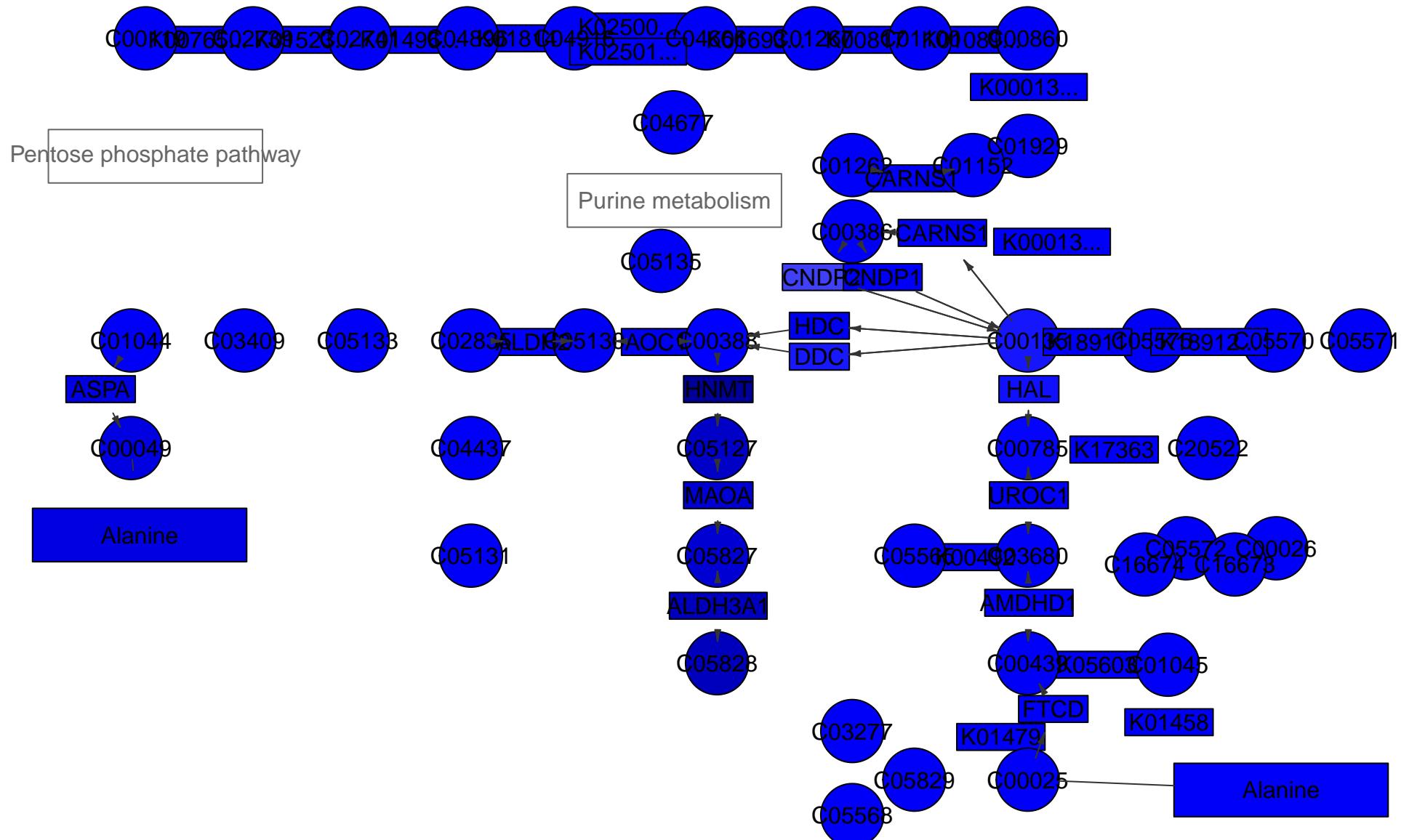
# Histidine metabolism

## MPI-216

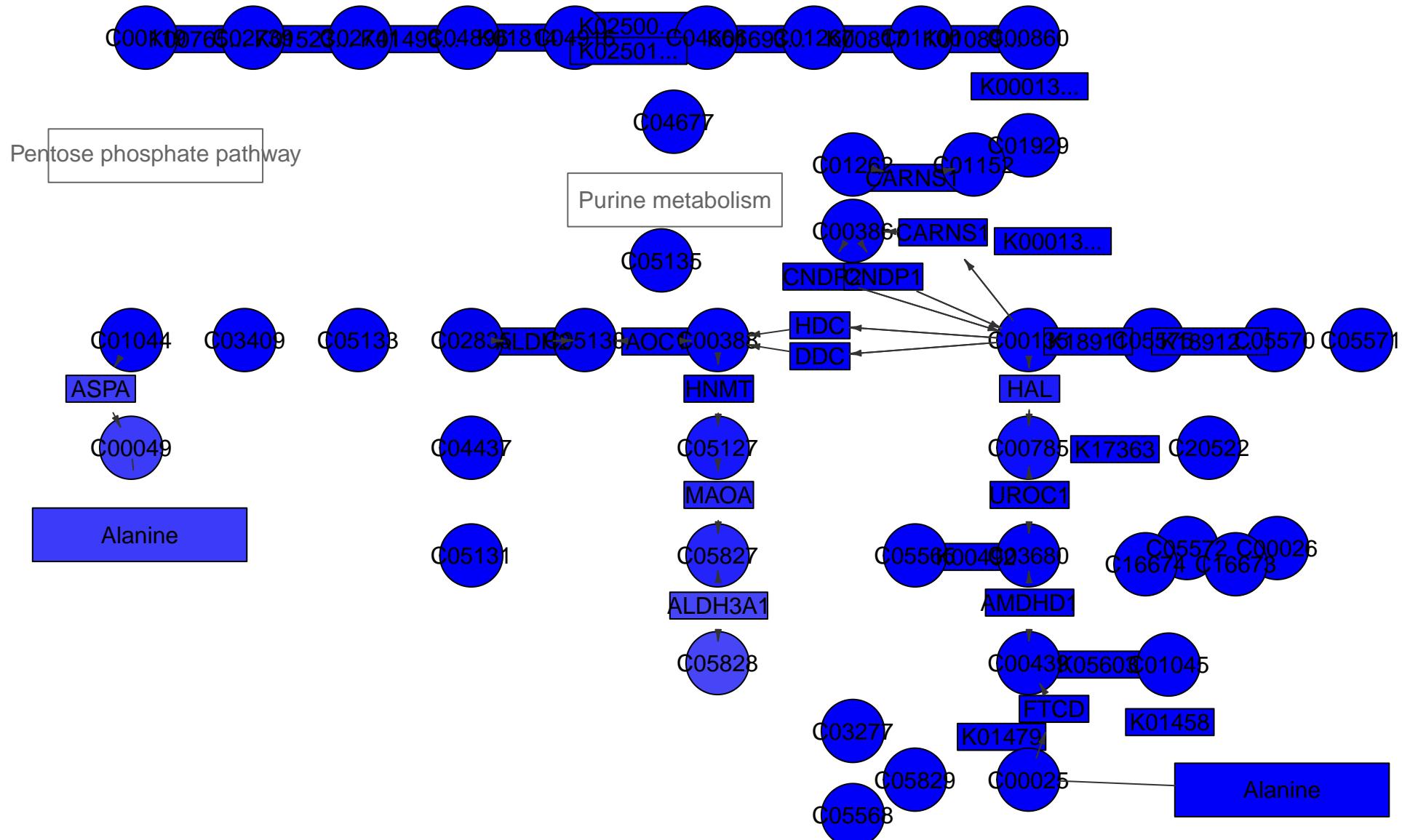


# Histidine metabolism

## MPI-222

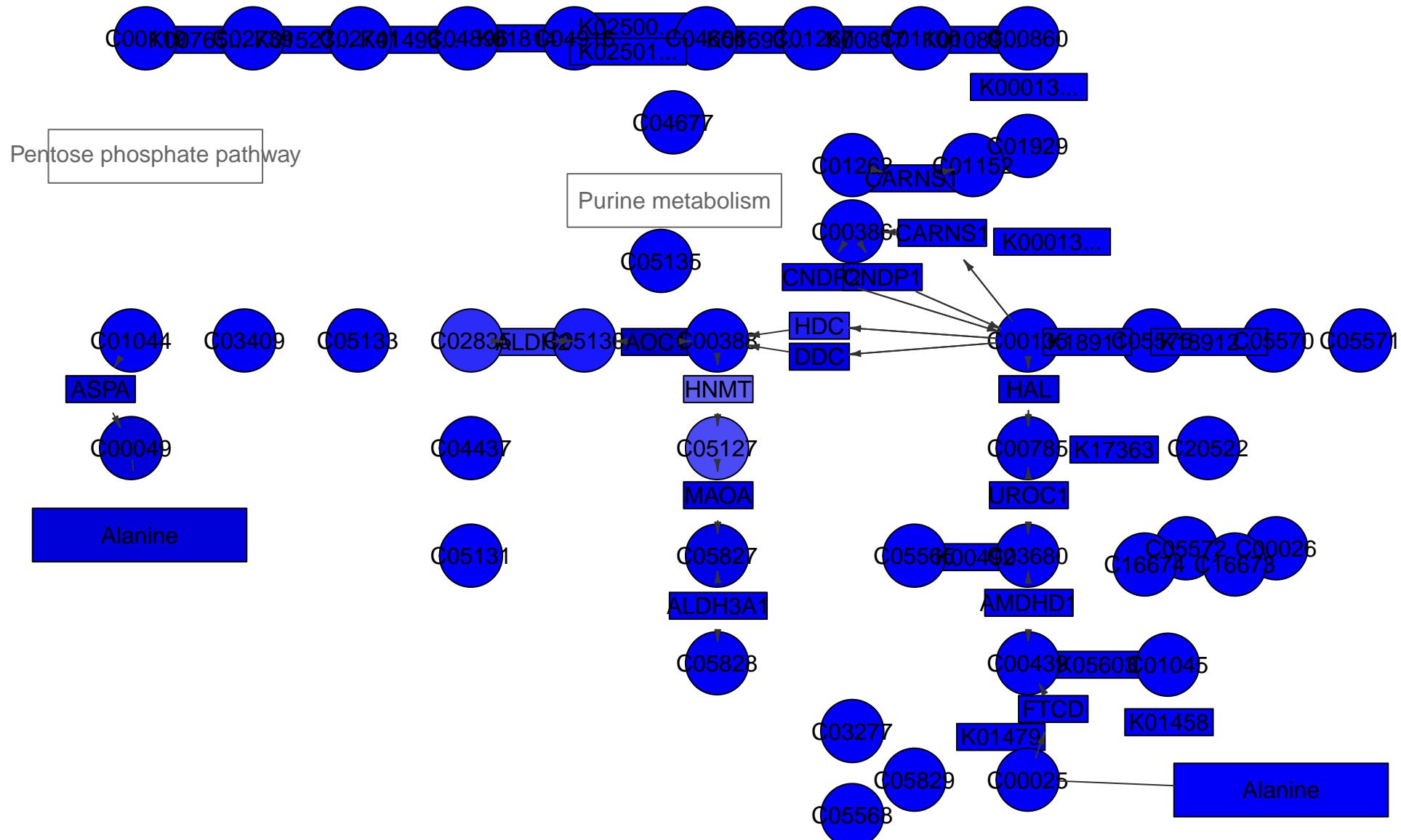


Histidine metabolism  
MPI-225

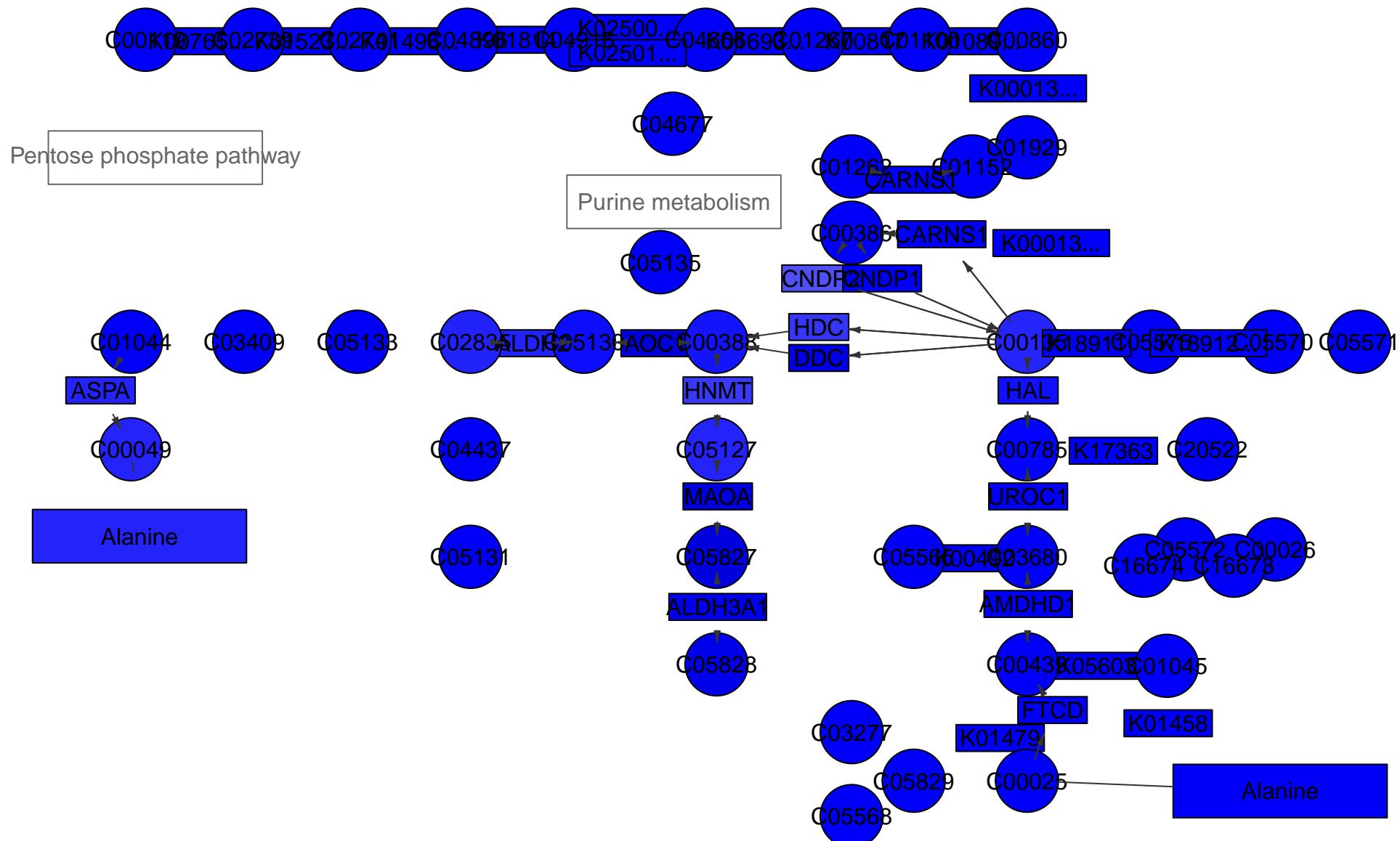


# Histidine metabolism

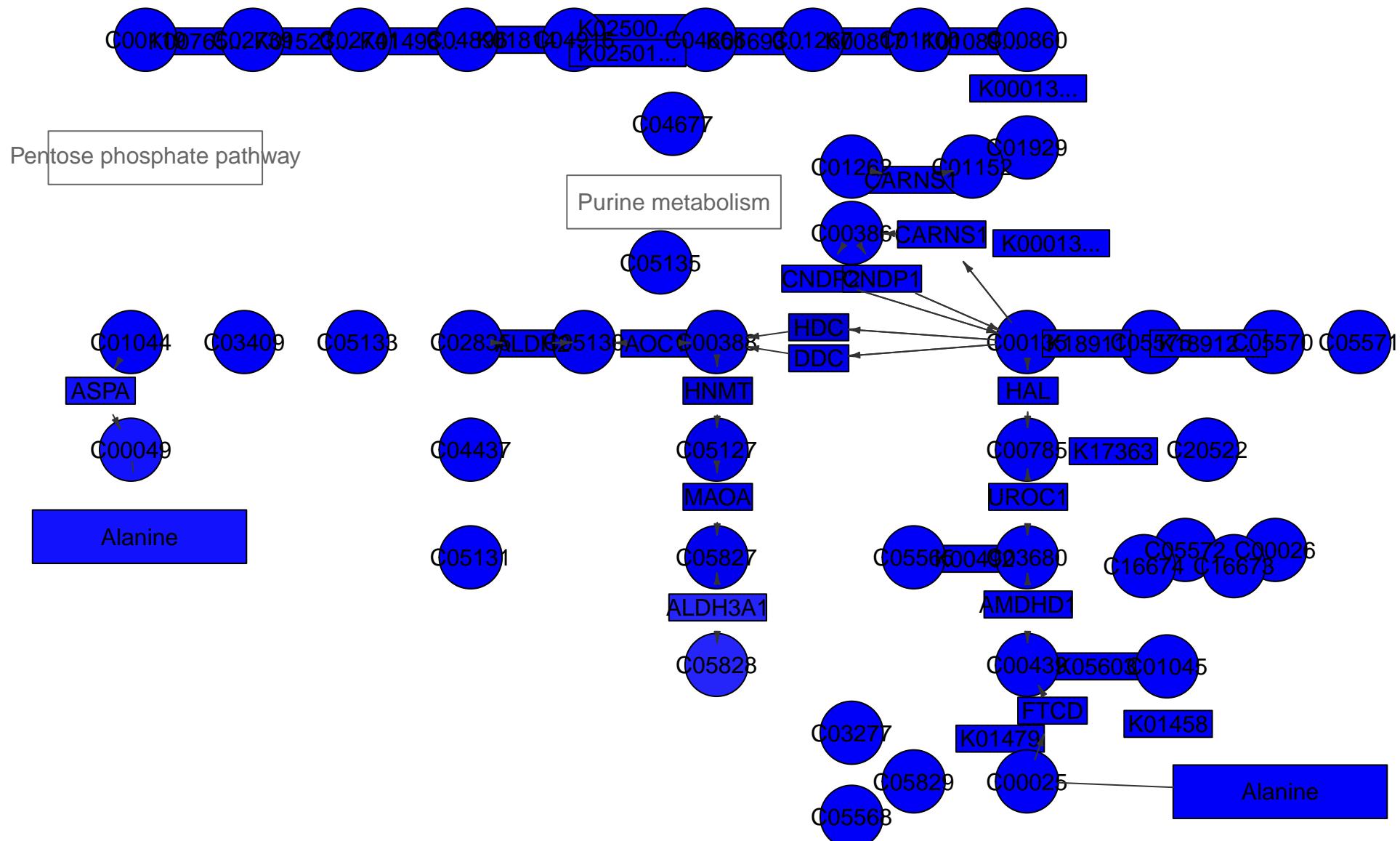
## MPI-242



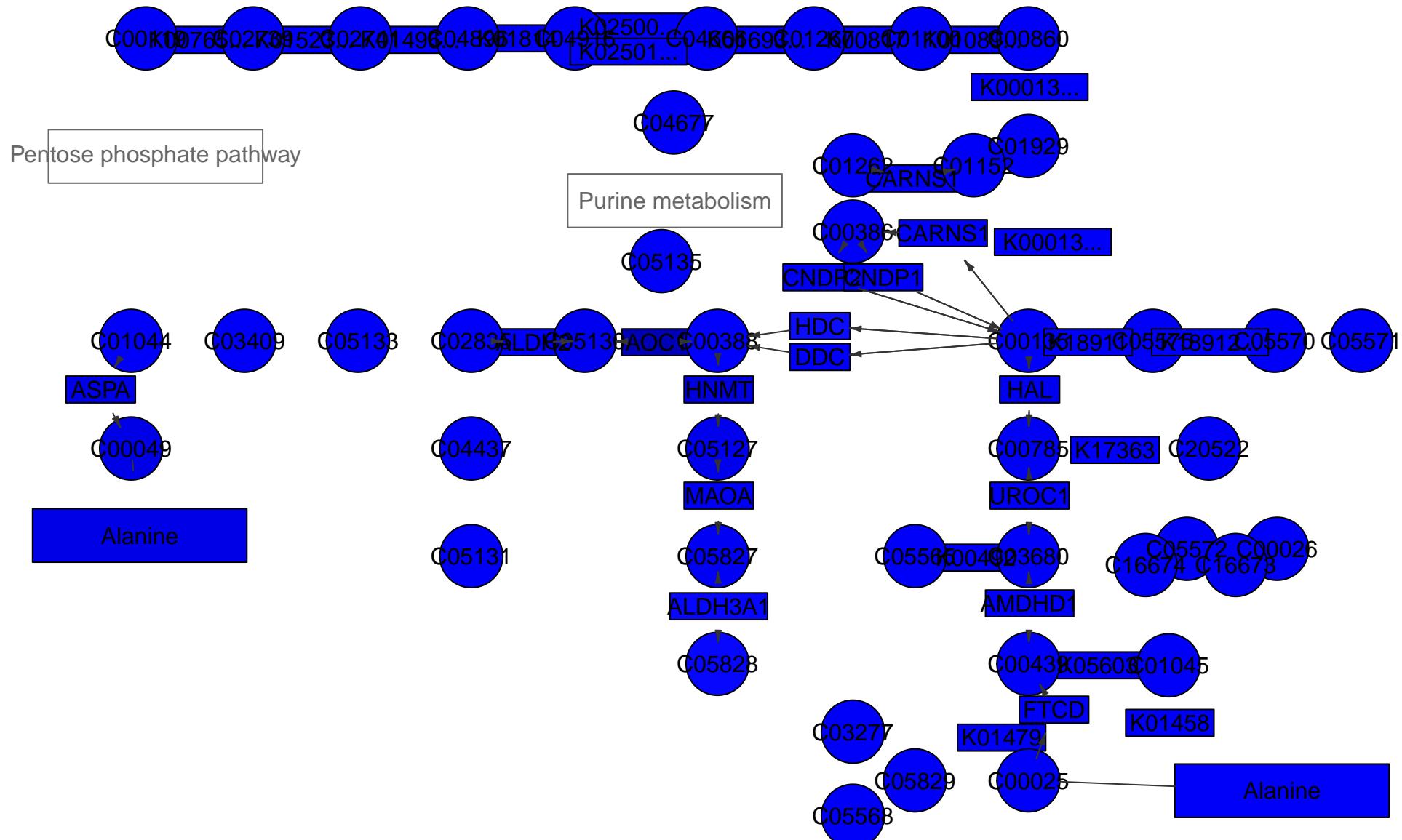
Histidine metabolism  
MPI-245



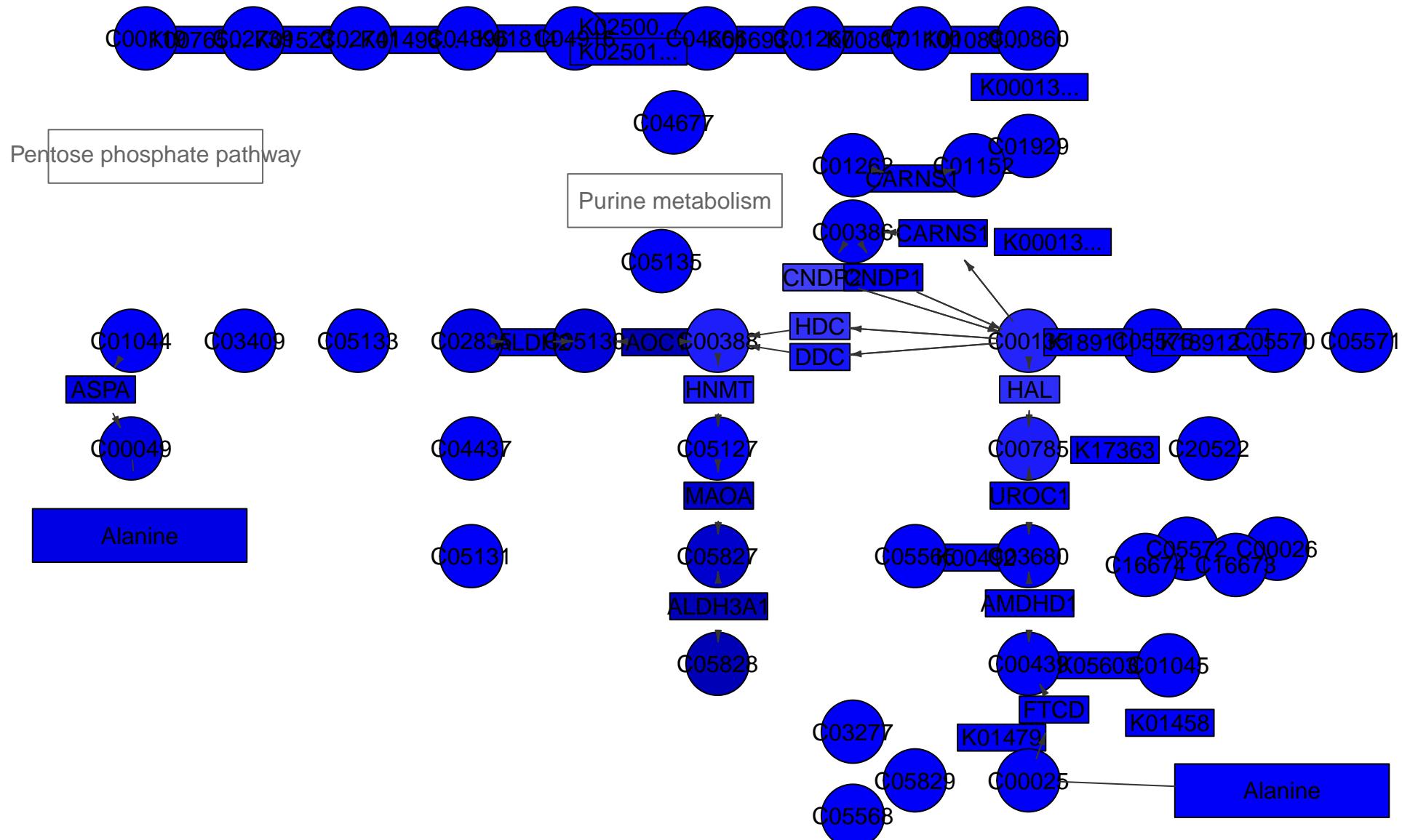
Histidine metabolism  
MPI-248



Histidine metabolism  
MPI-249

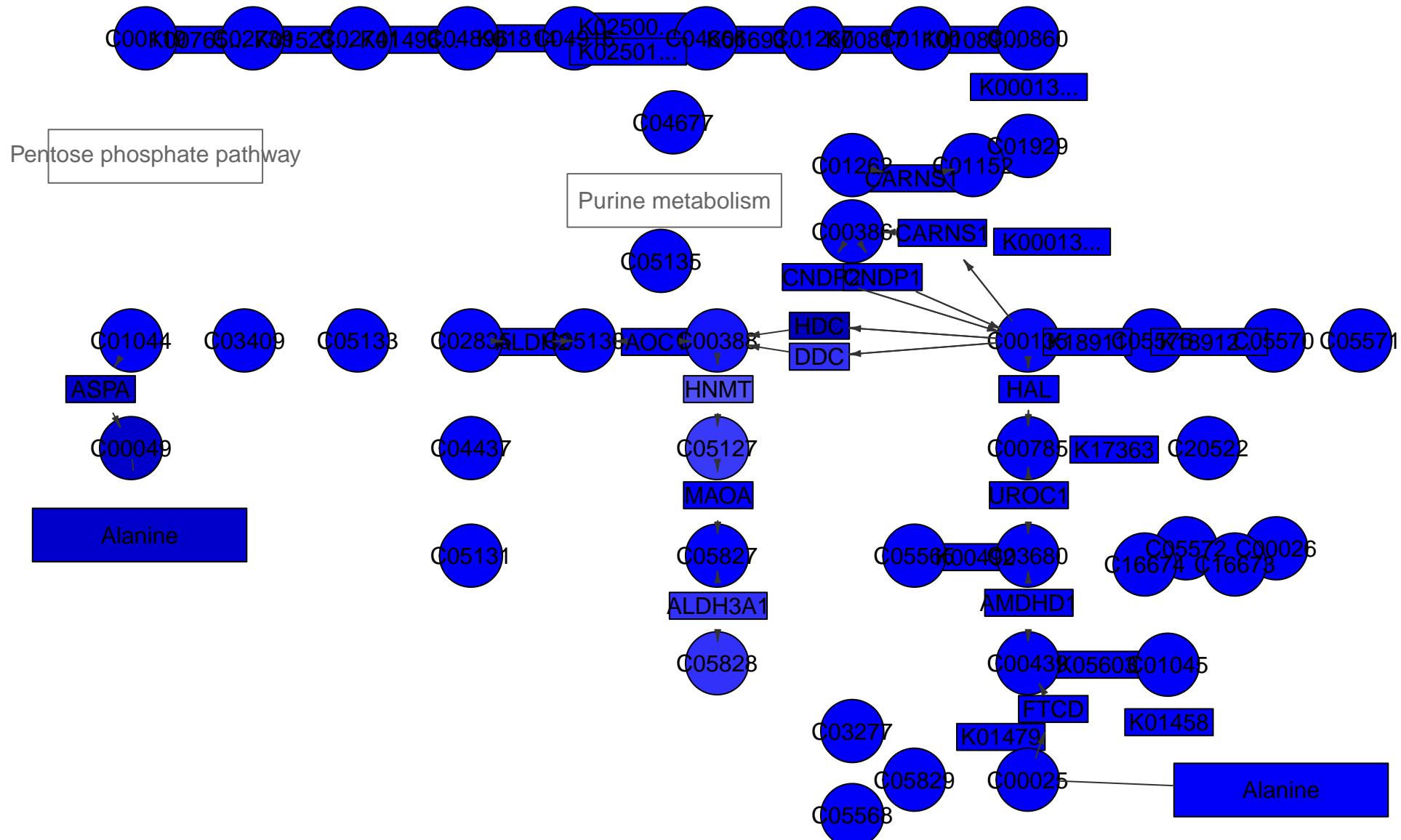


Histidine metabolism  
MPI-250



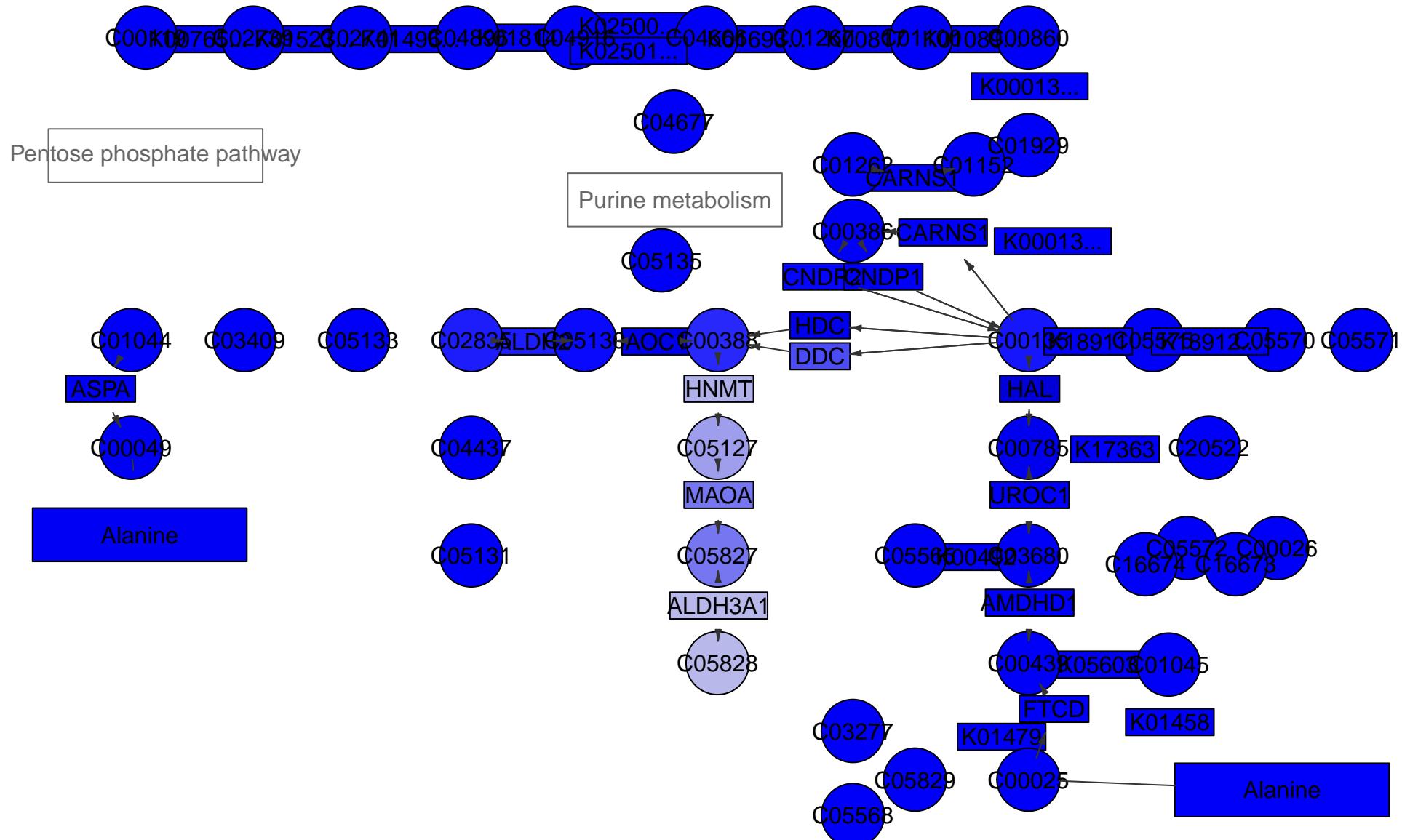
## Histidine metabolism

### MPI-008

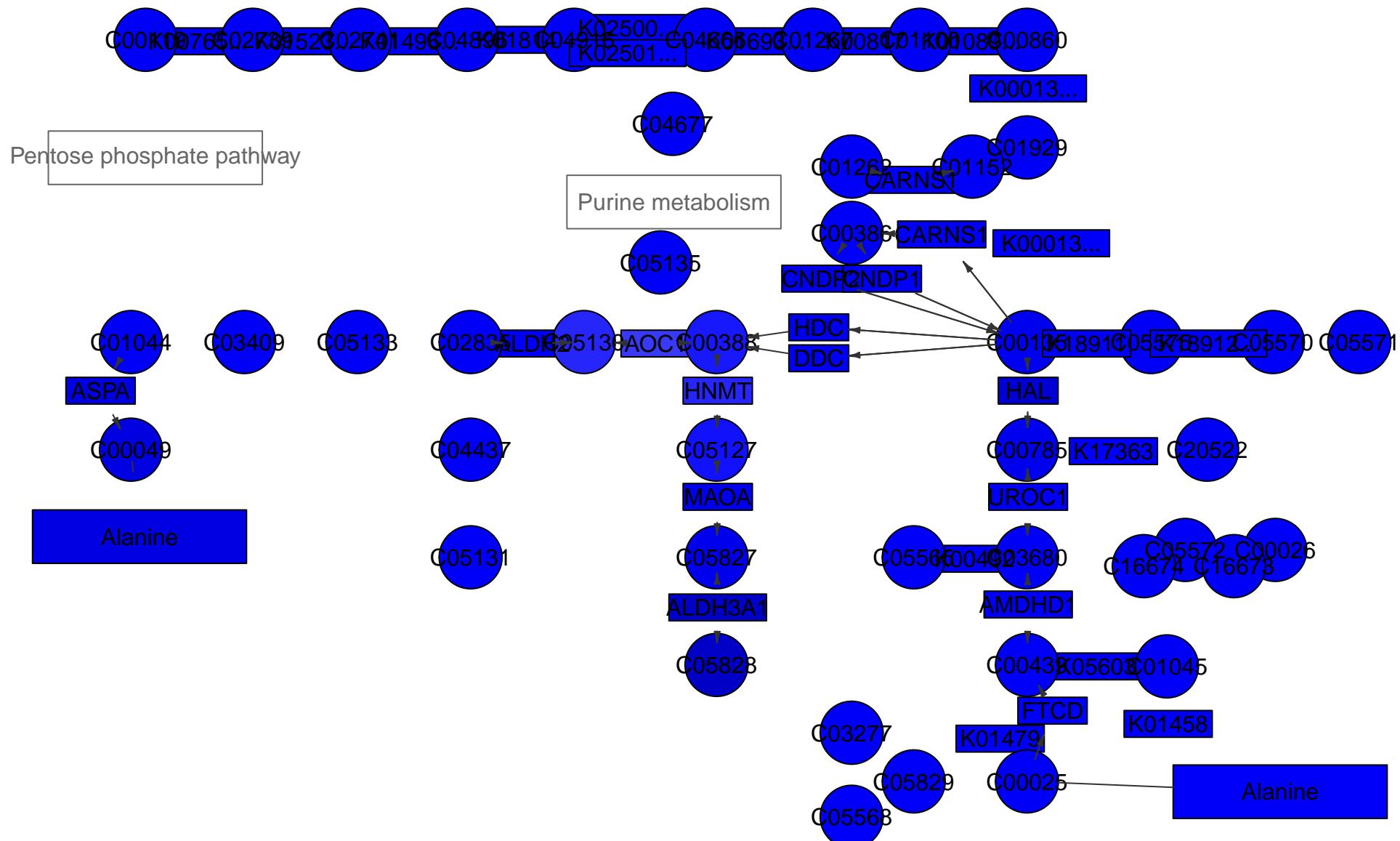


## Histidine metabolism

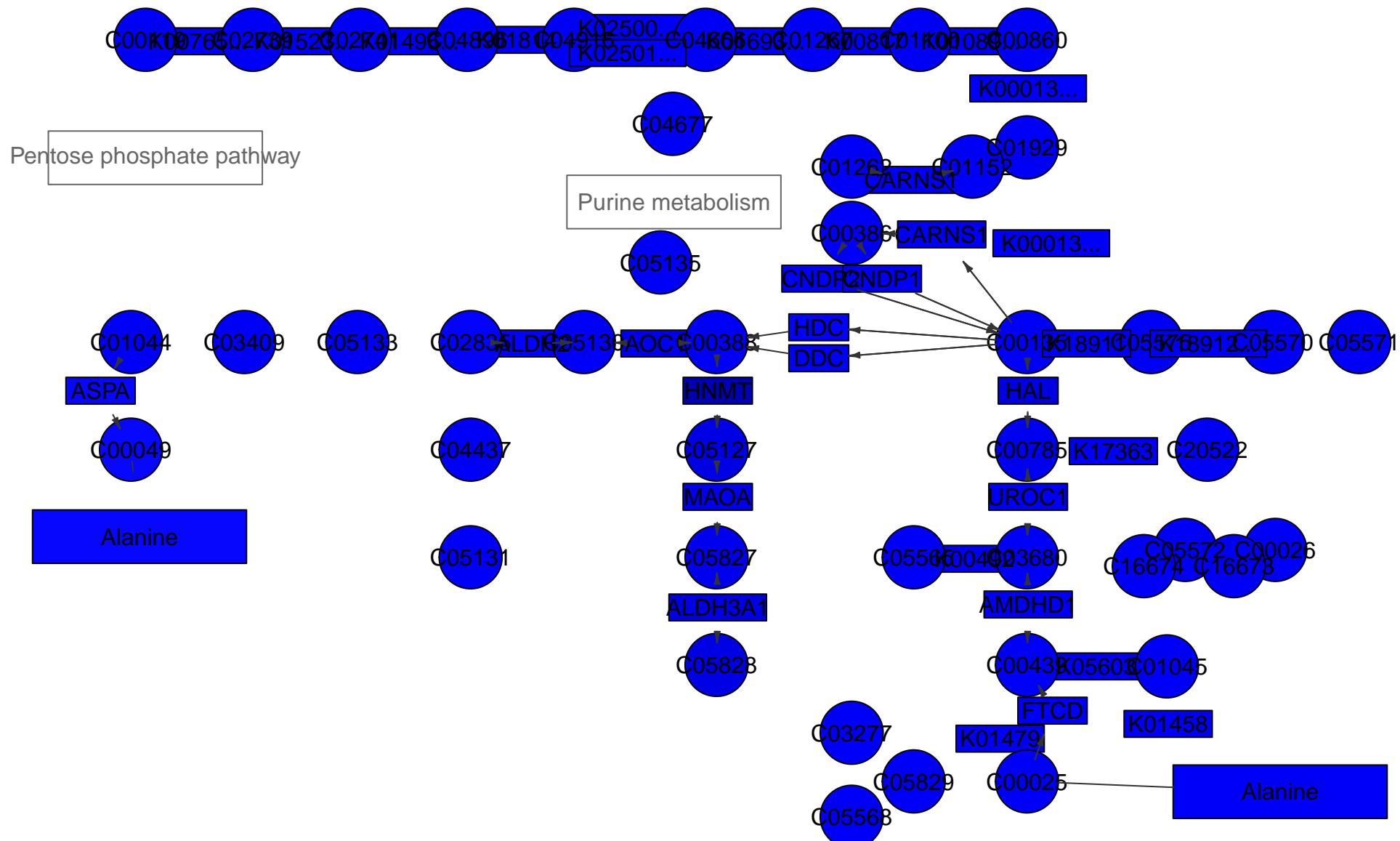
### MPI-009



Histidine metabolism  
MPI-010

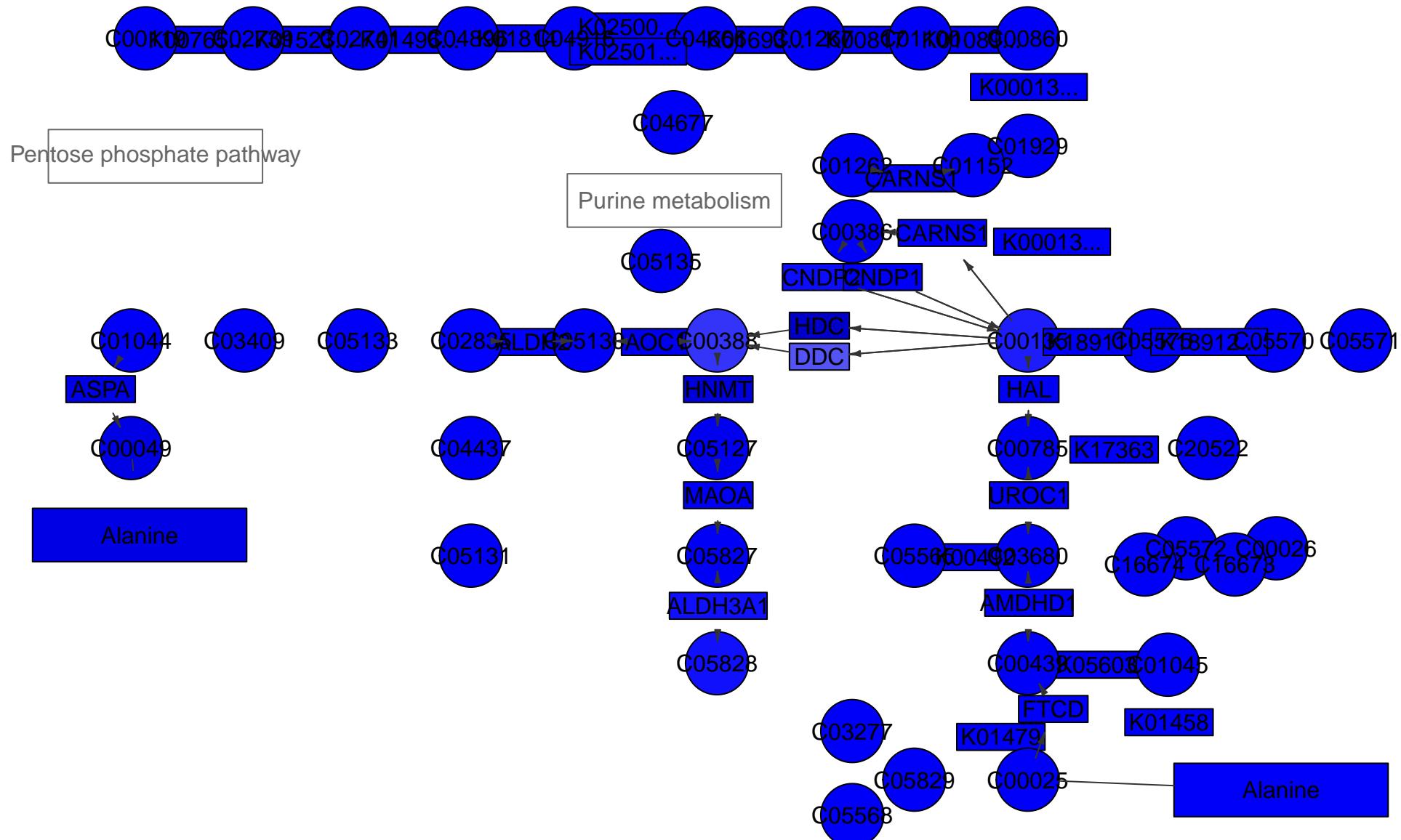


Histidine metabolism  
MPI-012

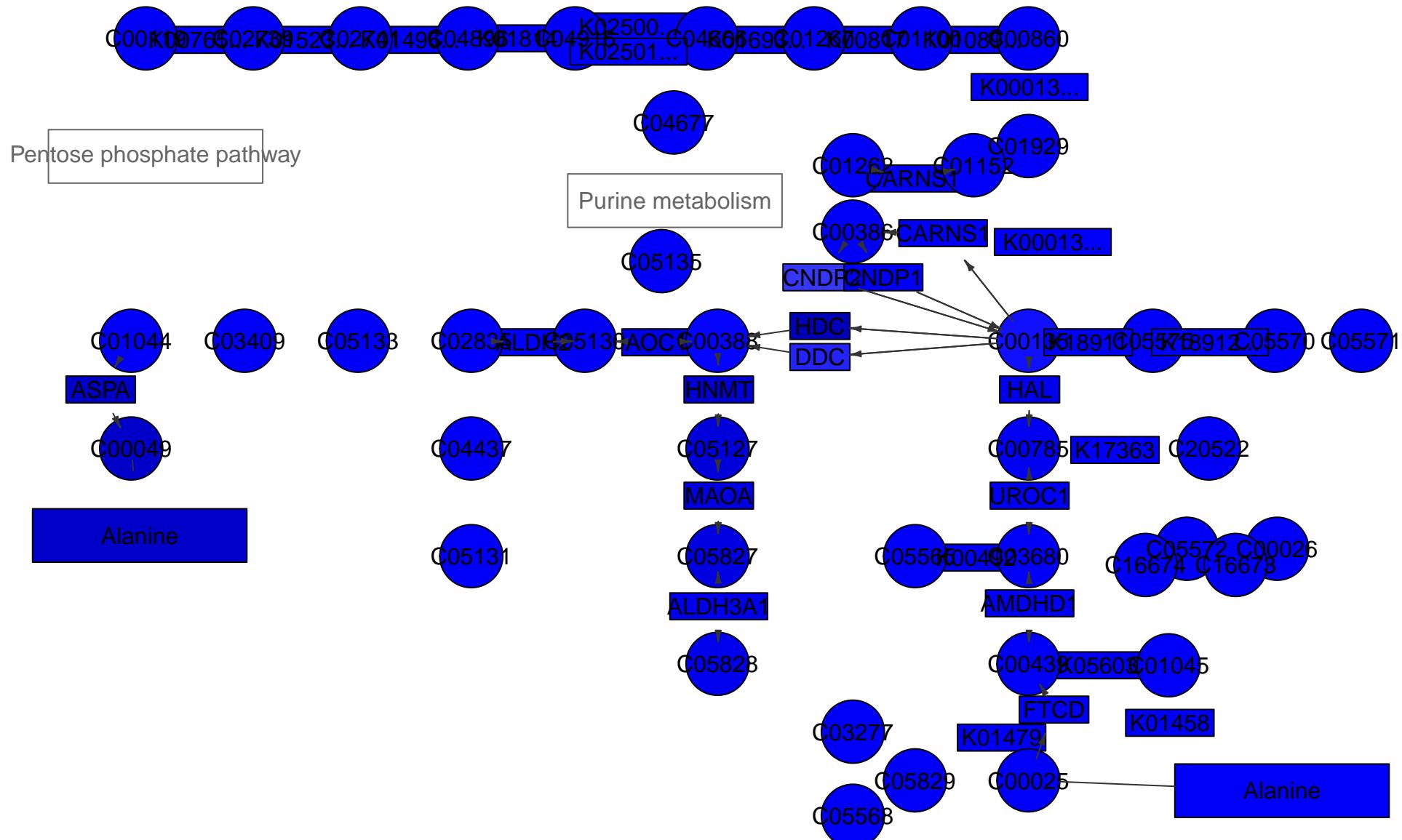


# Histidine metabolism

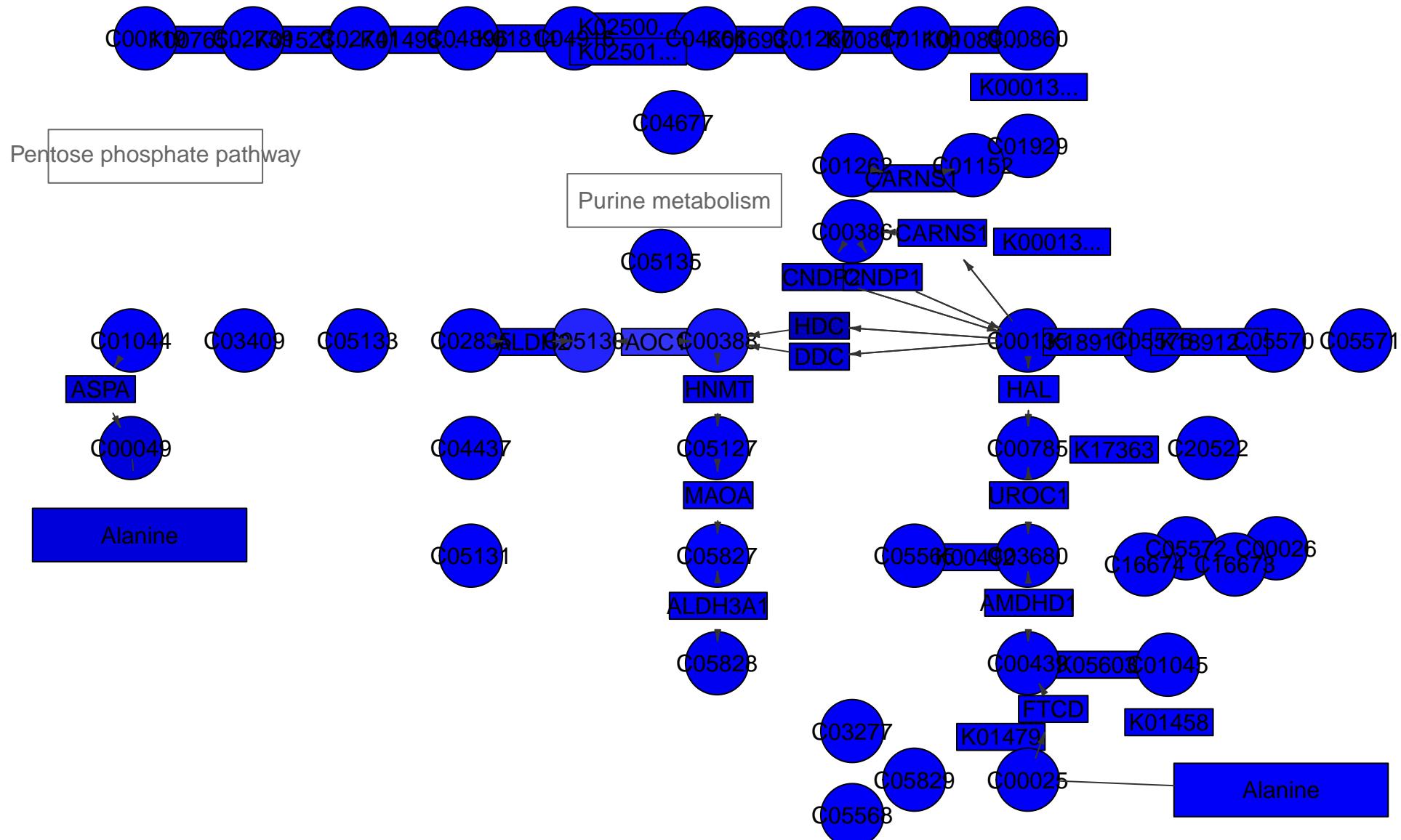
## MPI-013



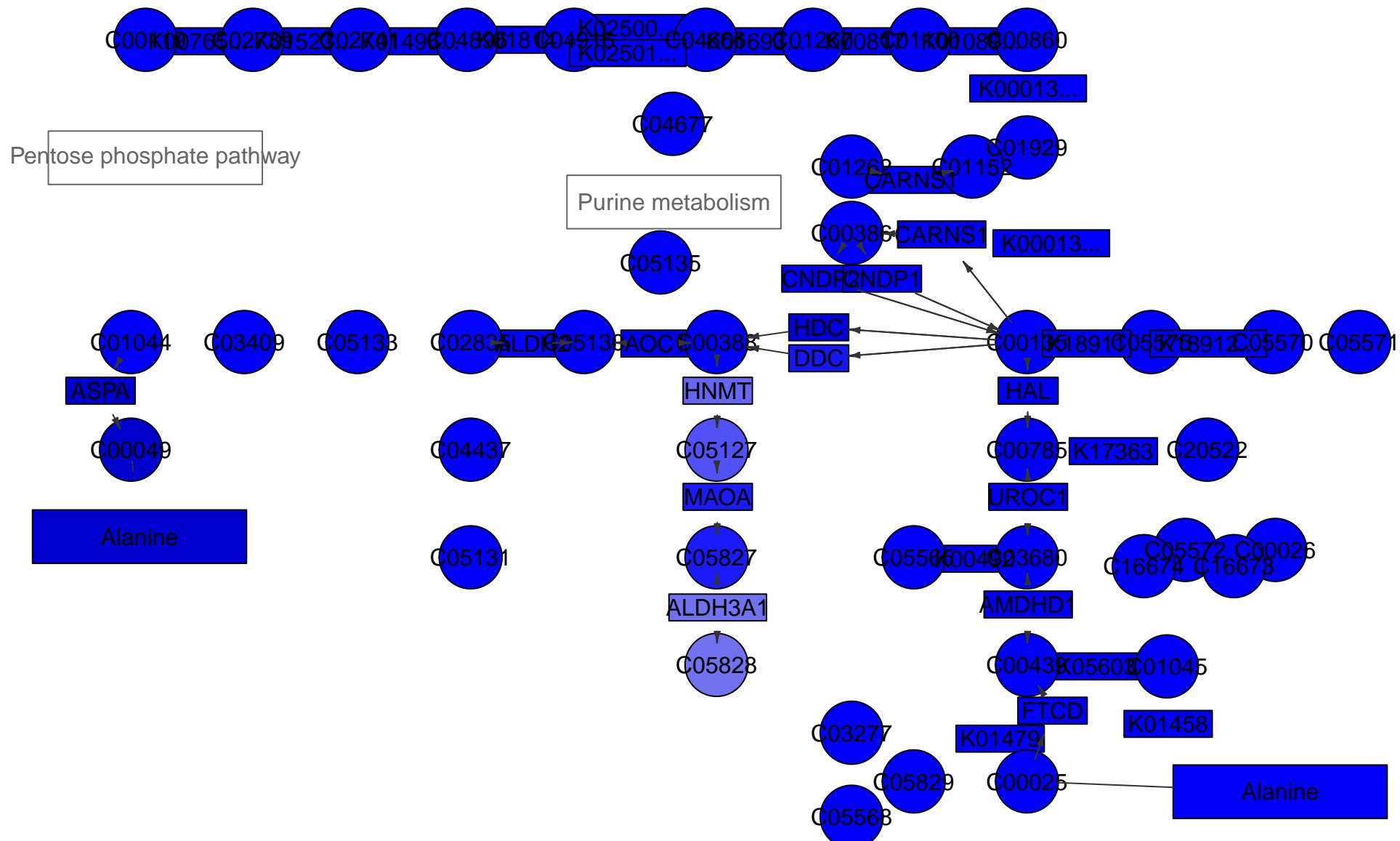
Histidine metabolism  
MPI-014



Histidine metabolism  
MPI-015

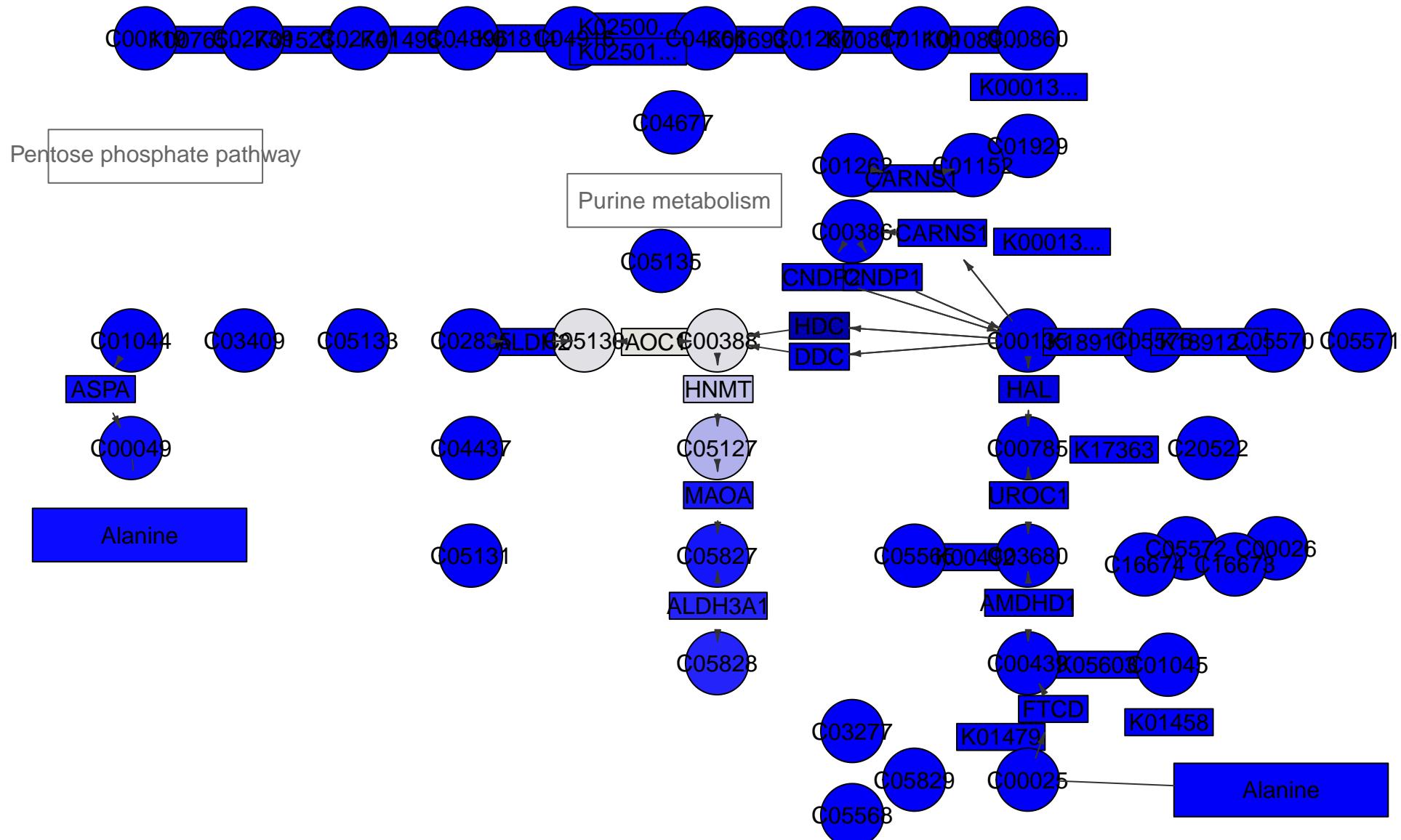


Histidine metabolism  
MPI-021

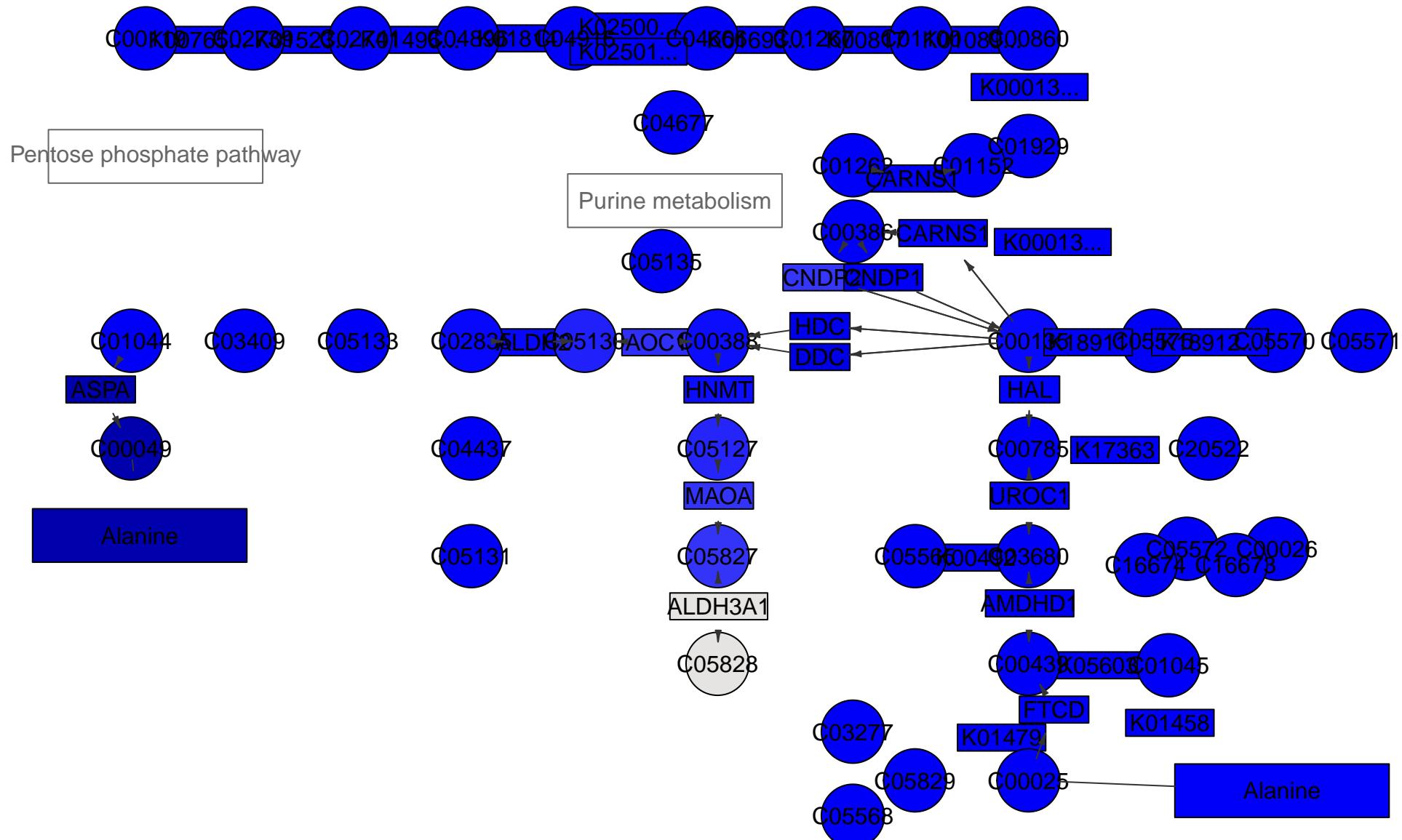


# Histidine metabolism

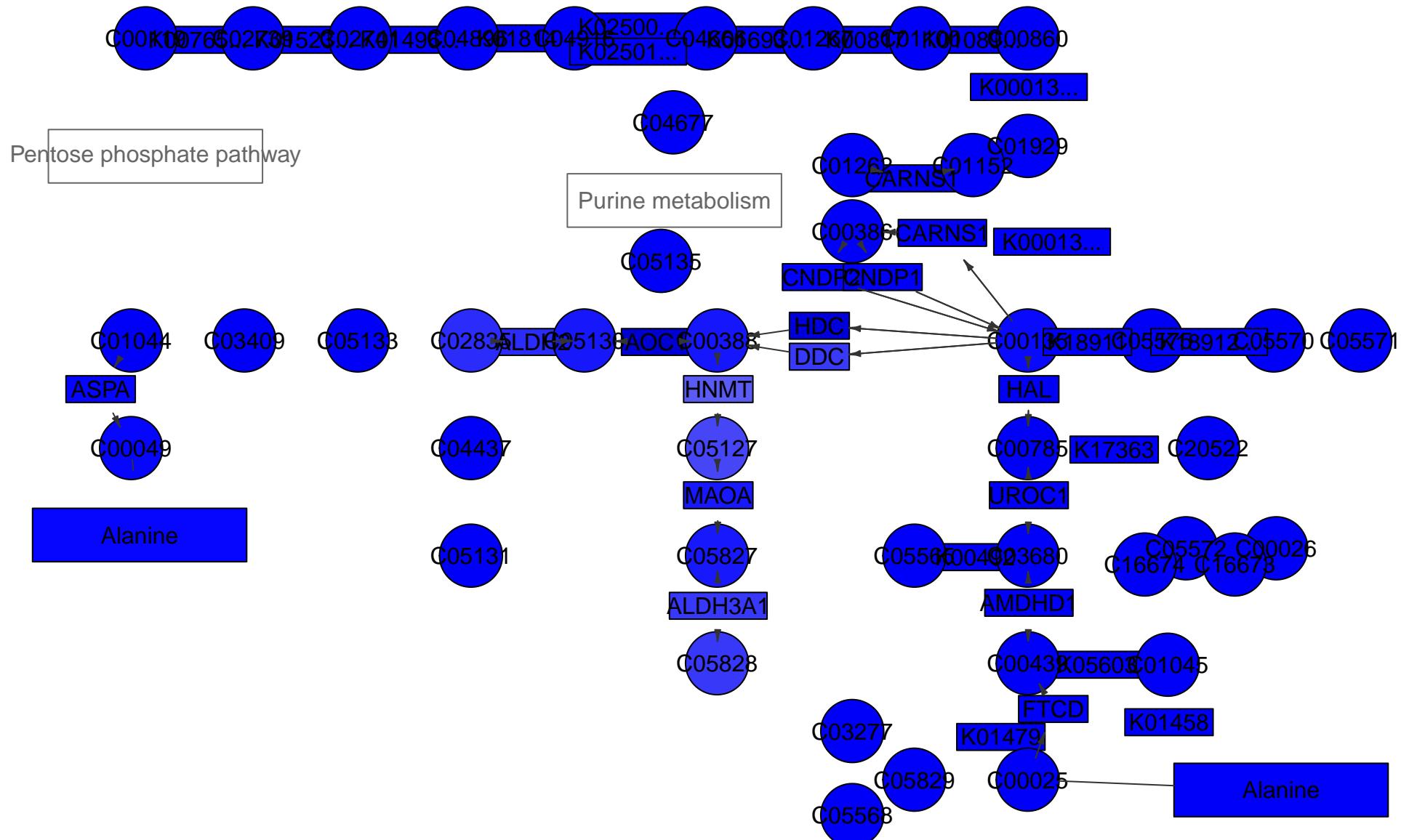
## MPI-022



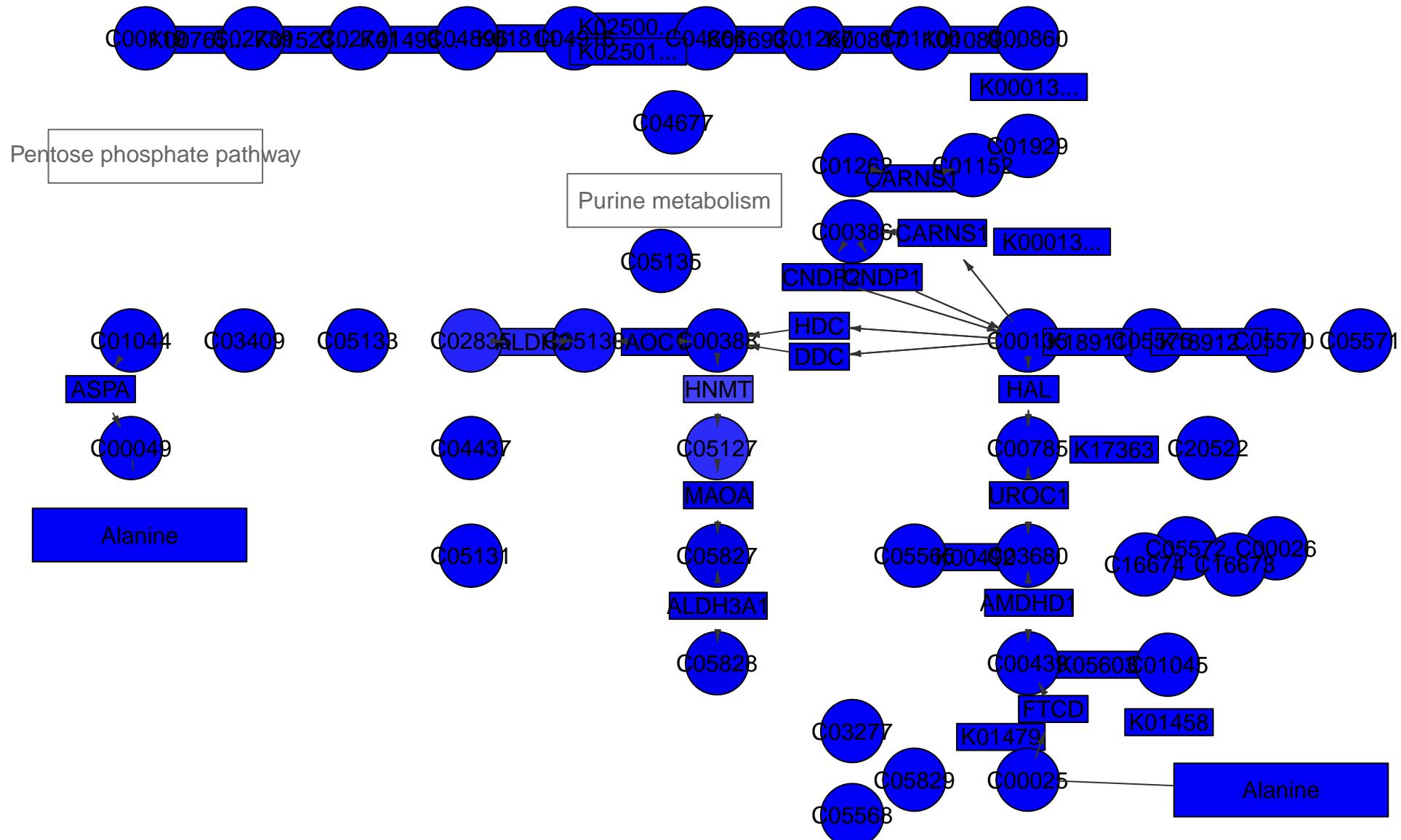
Histidine metabolism  
MPI-025



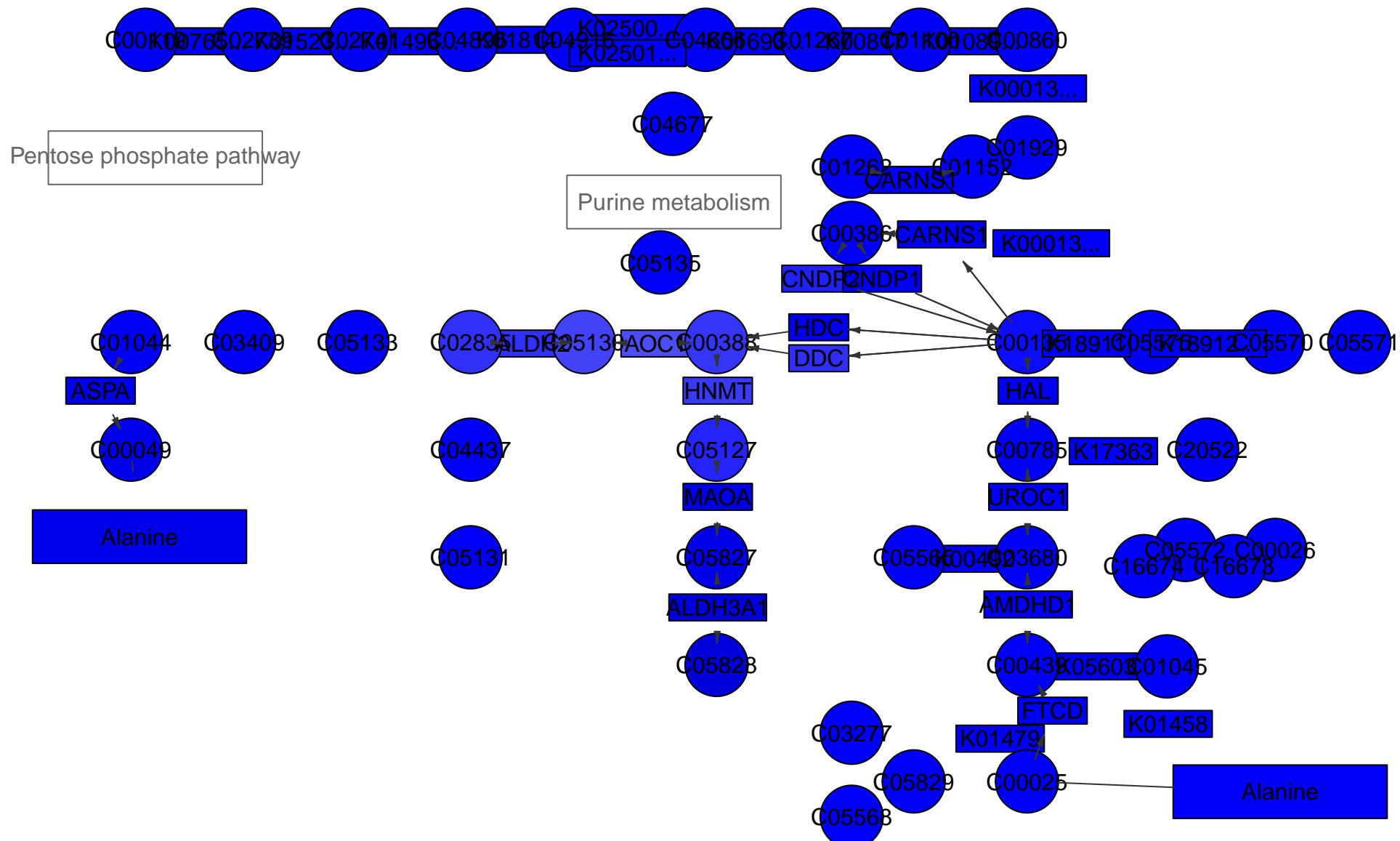
Histidine metabolism  
MPI-029



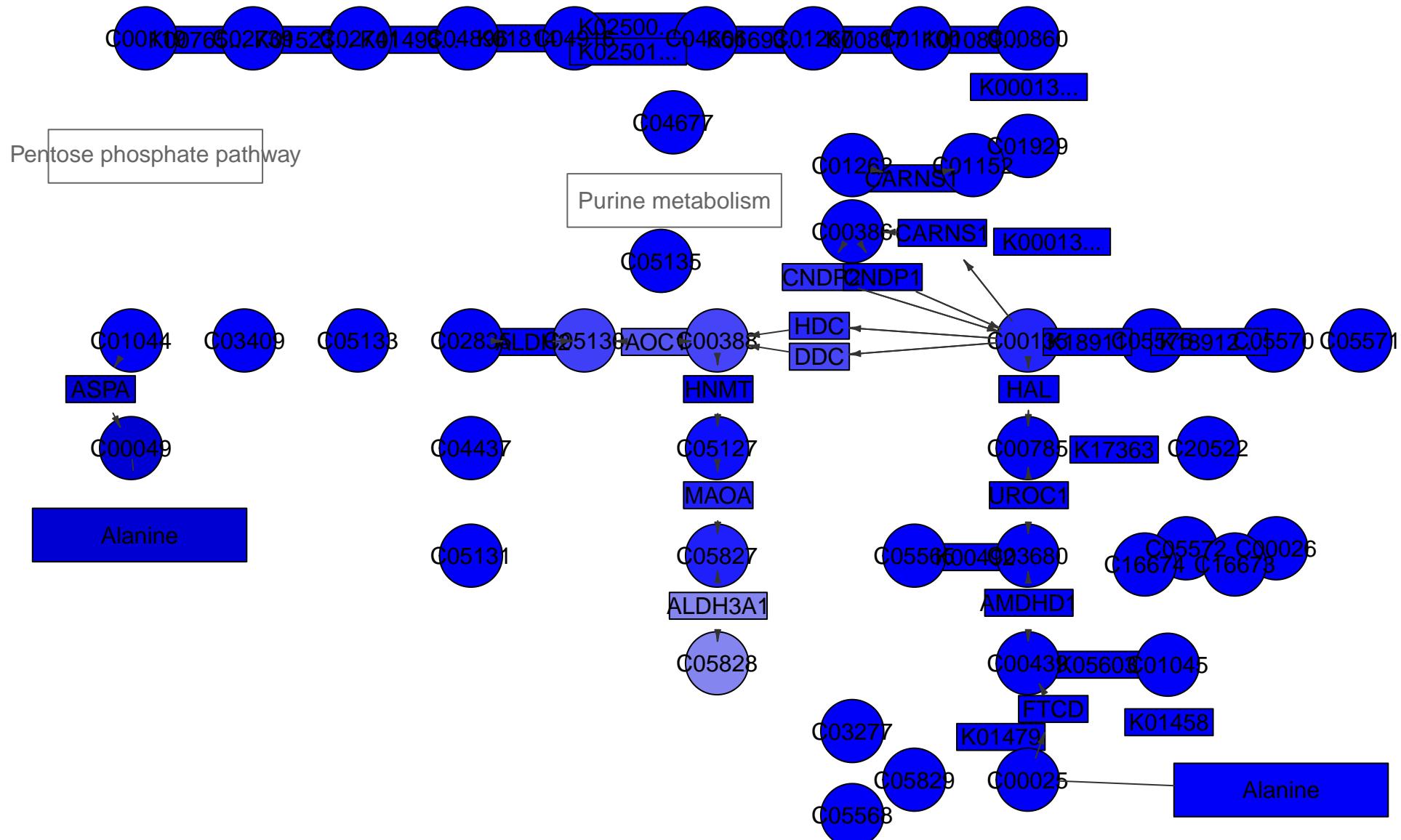
Histidine metabolism  
MPI-030



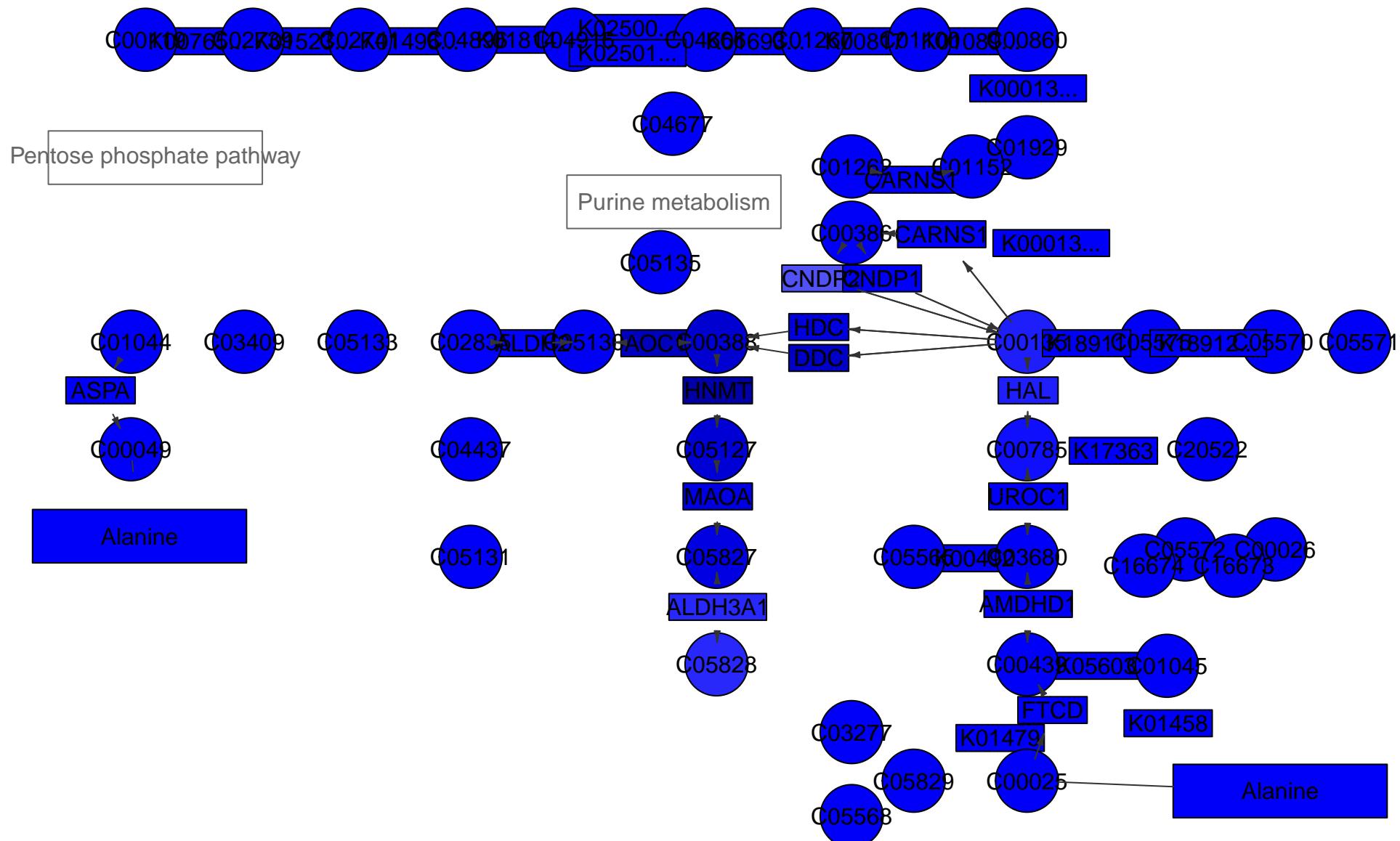
Histidine metabolism  
MPI-031



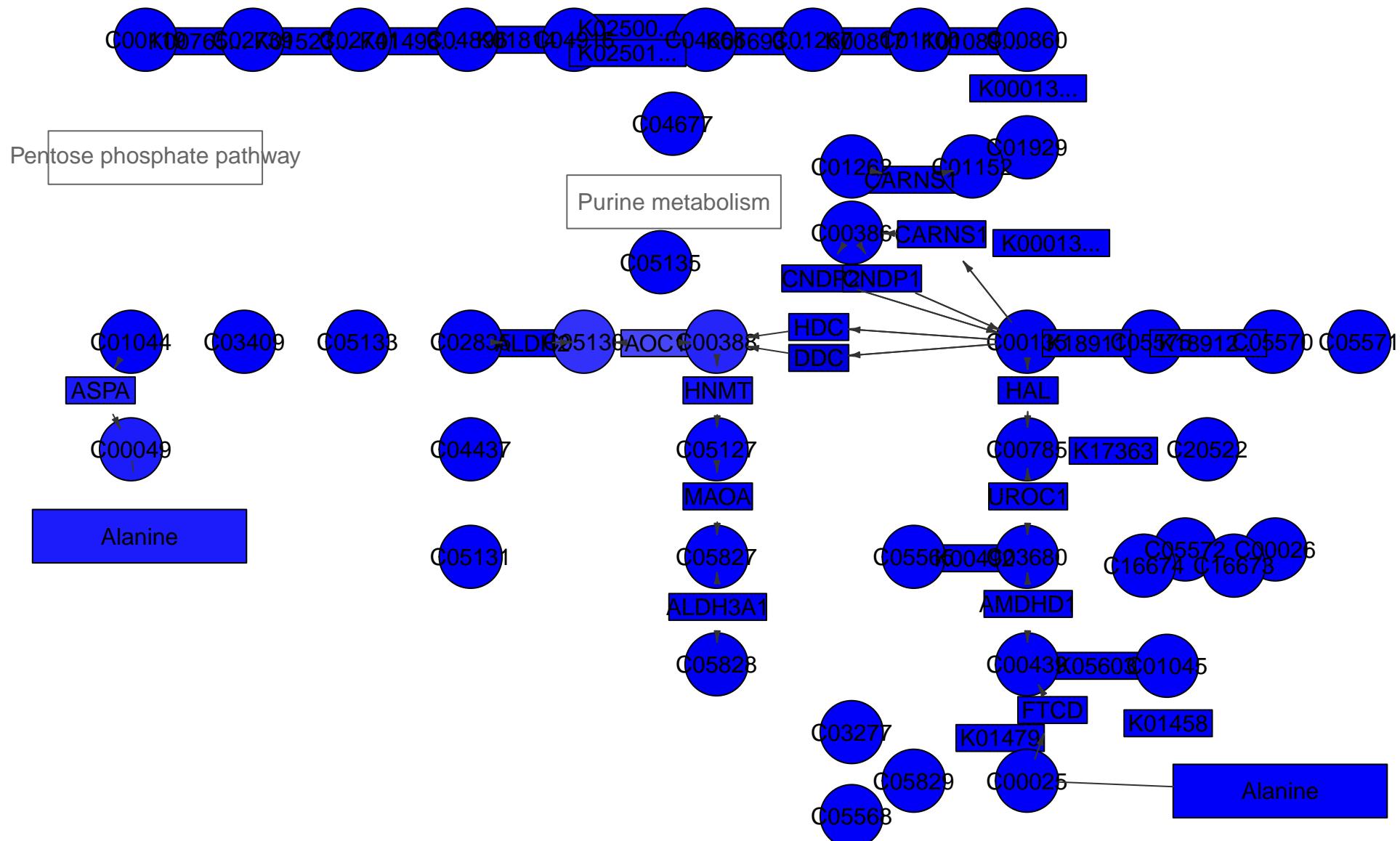
Histidine metabolism  
MPI-039



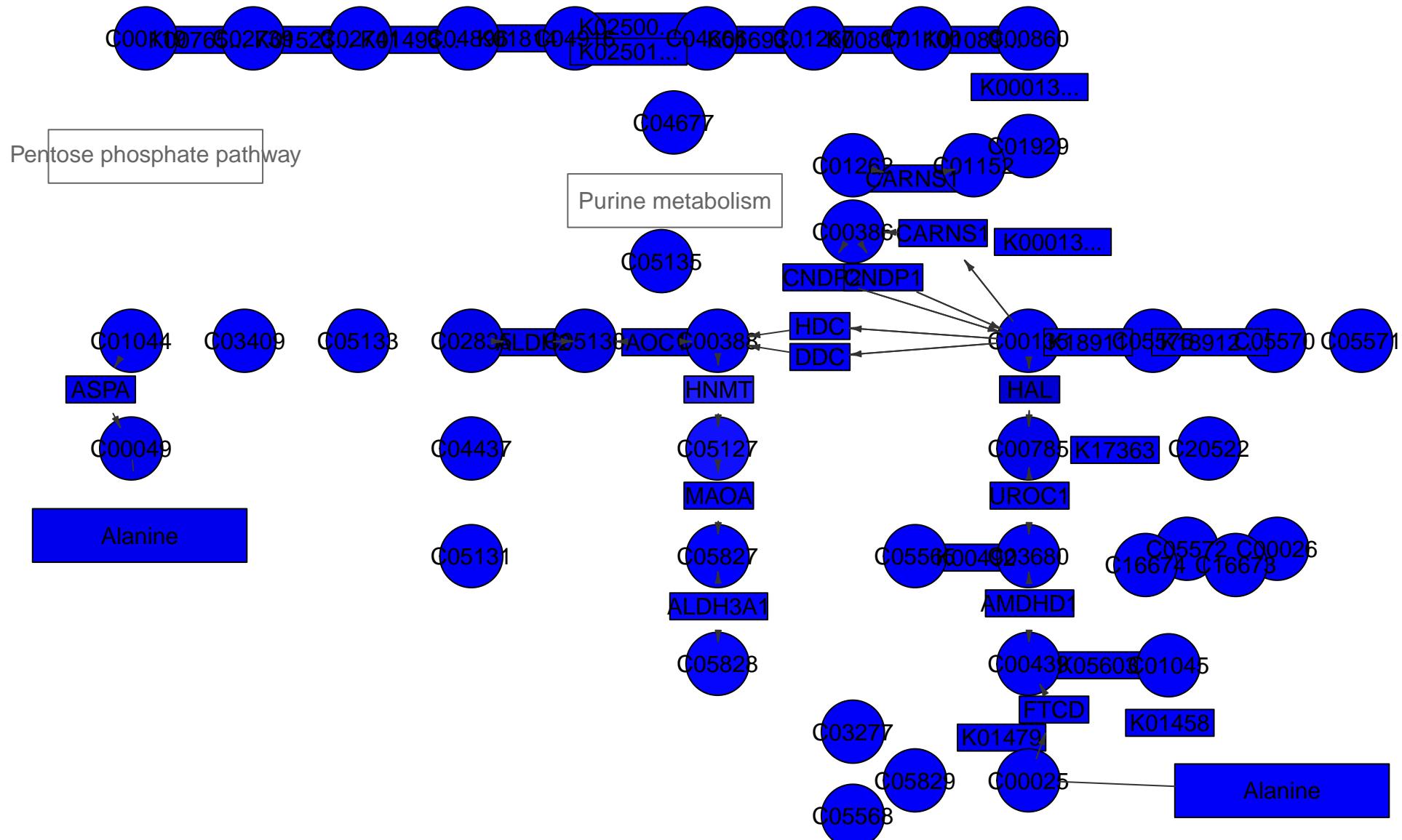
Histidine metabolism  
MPI-040



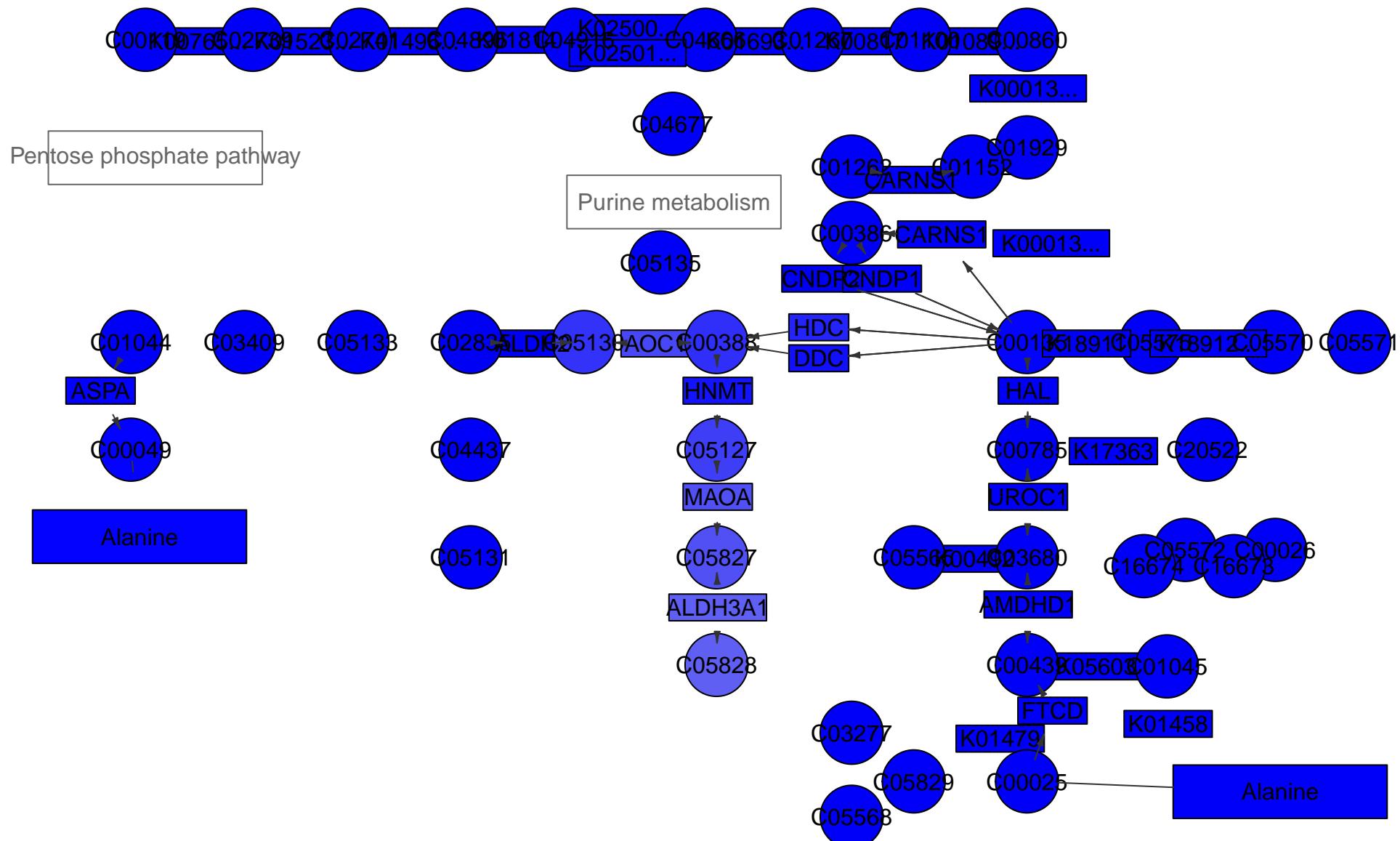
Histidine metabolism  
MPI-045



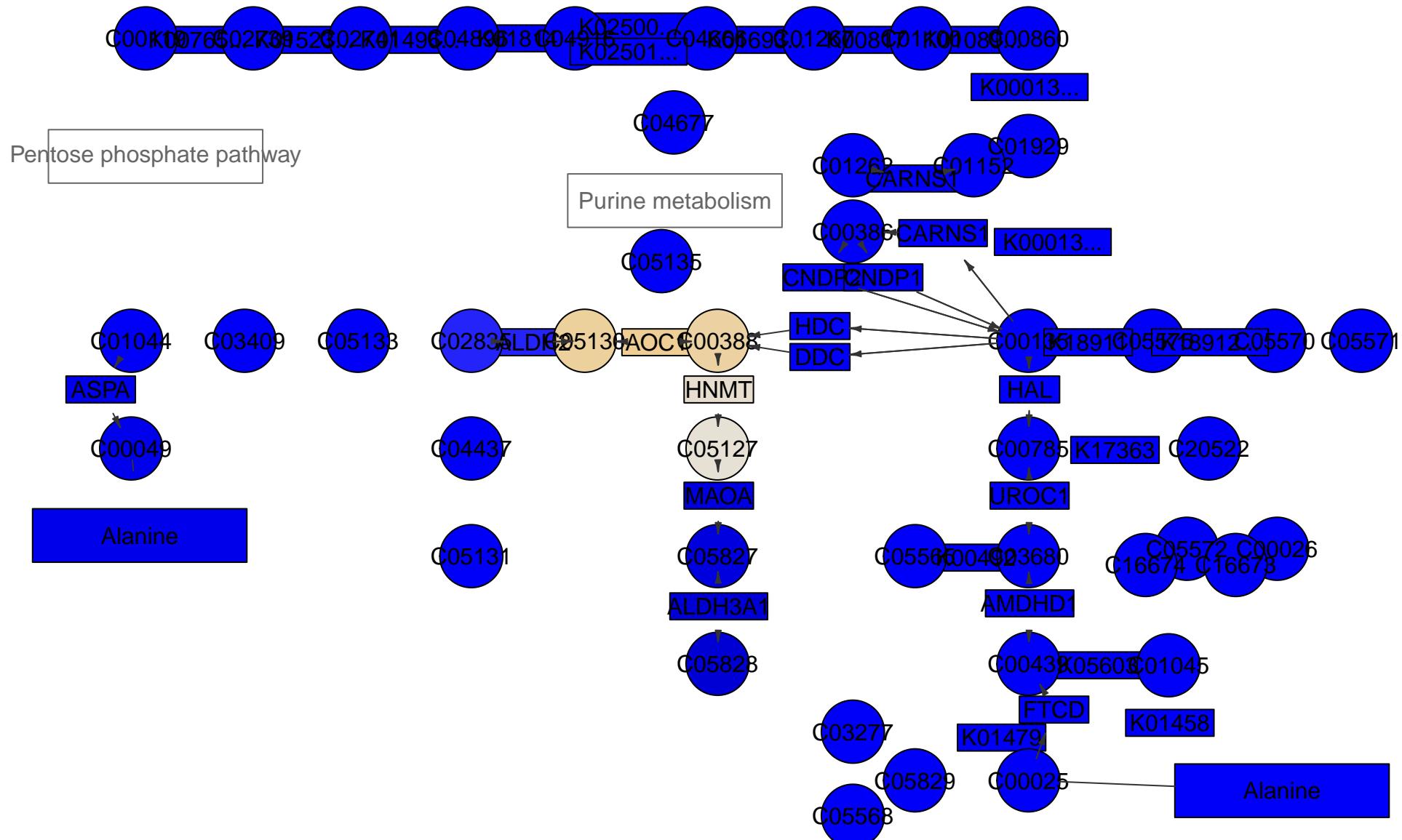
Histidine metabolism  
MPI-047



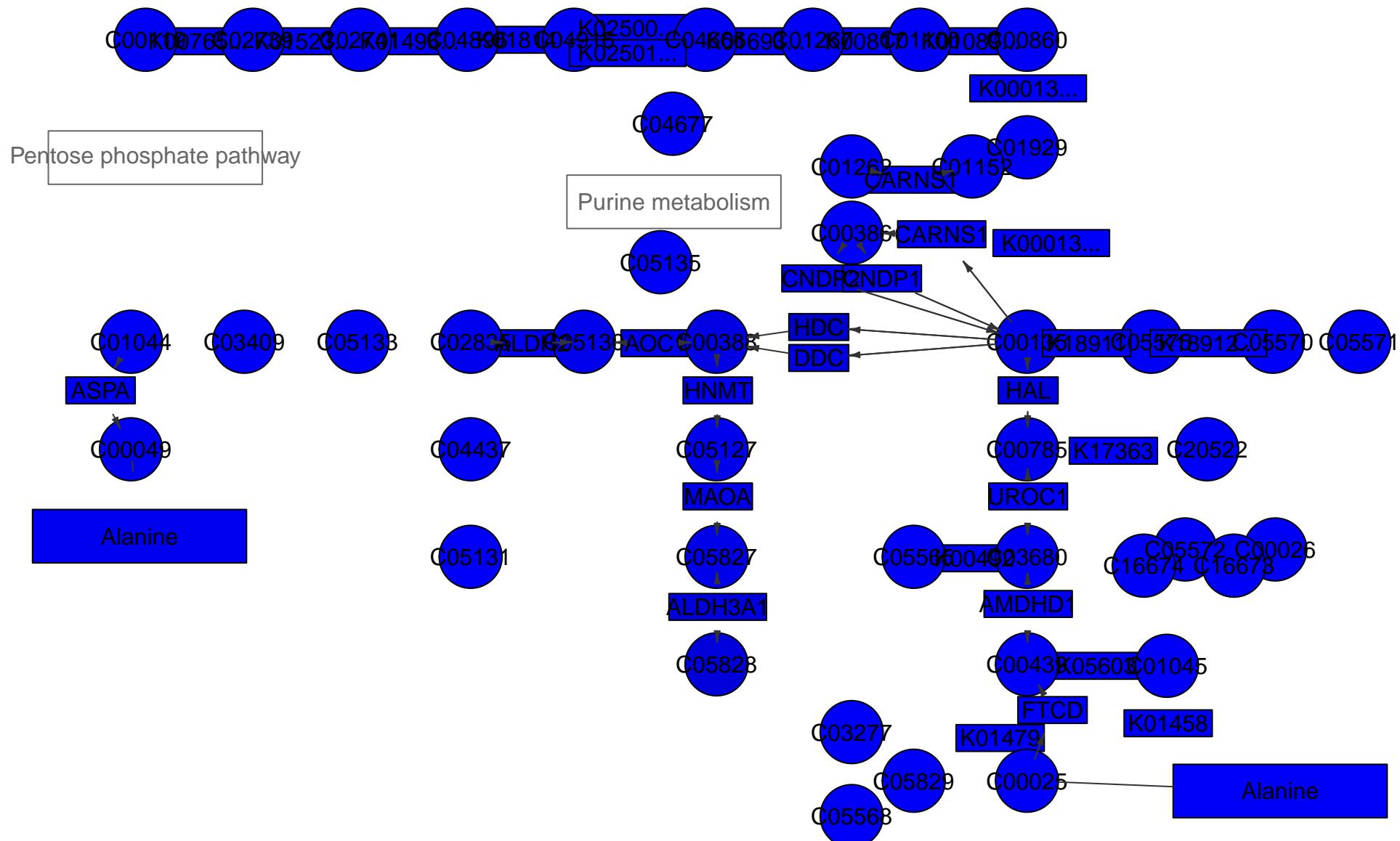
Histidine metabolism  
MPI-053



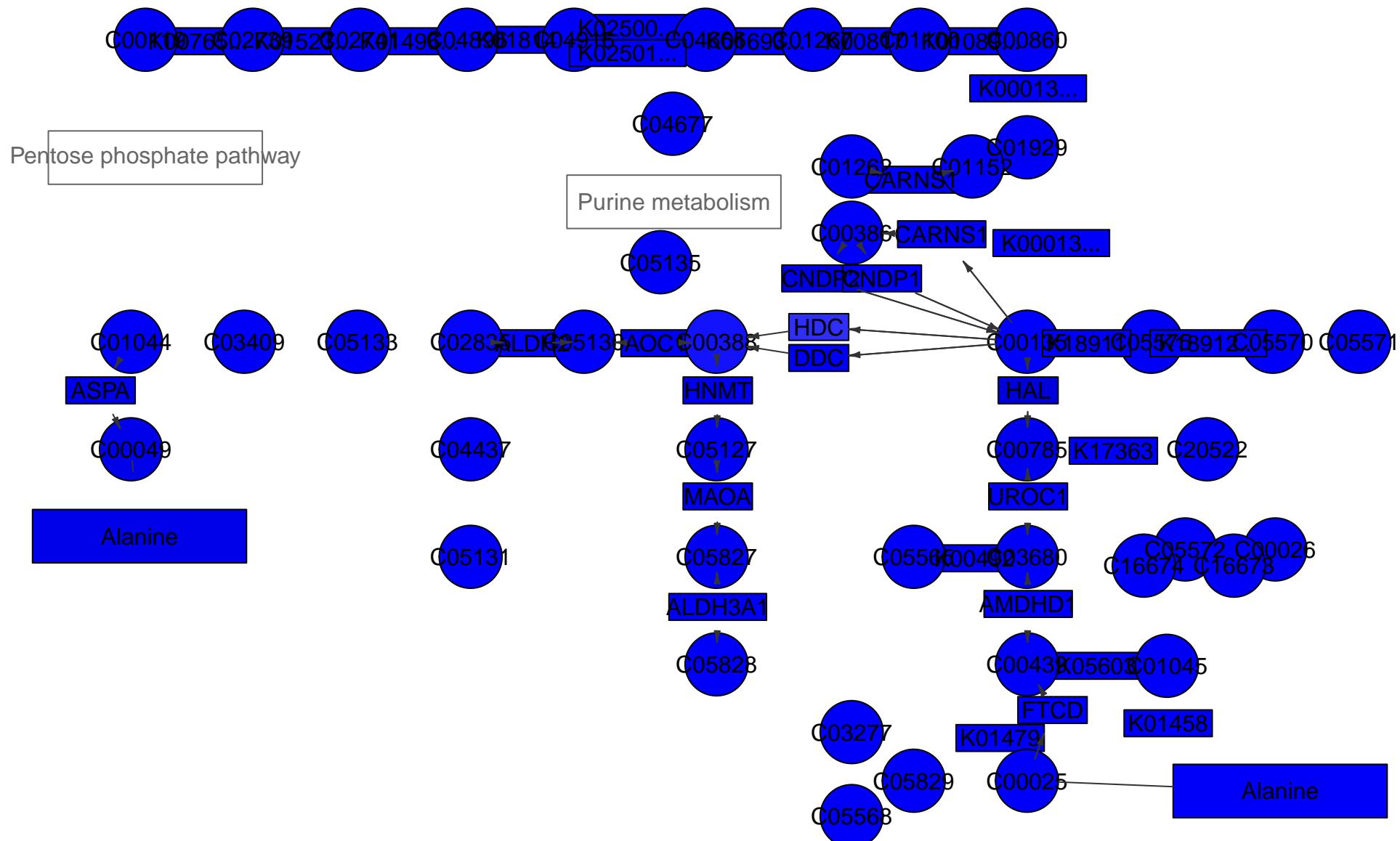
Histidine metabolism  
MPI-062



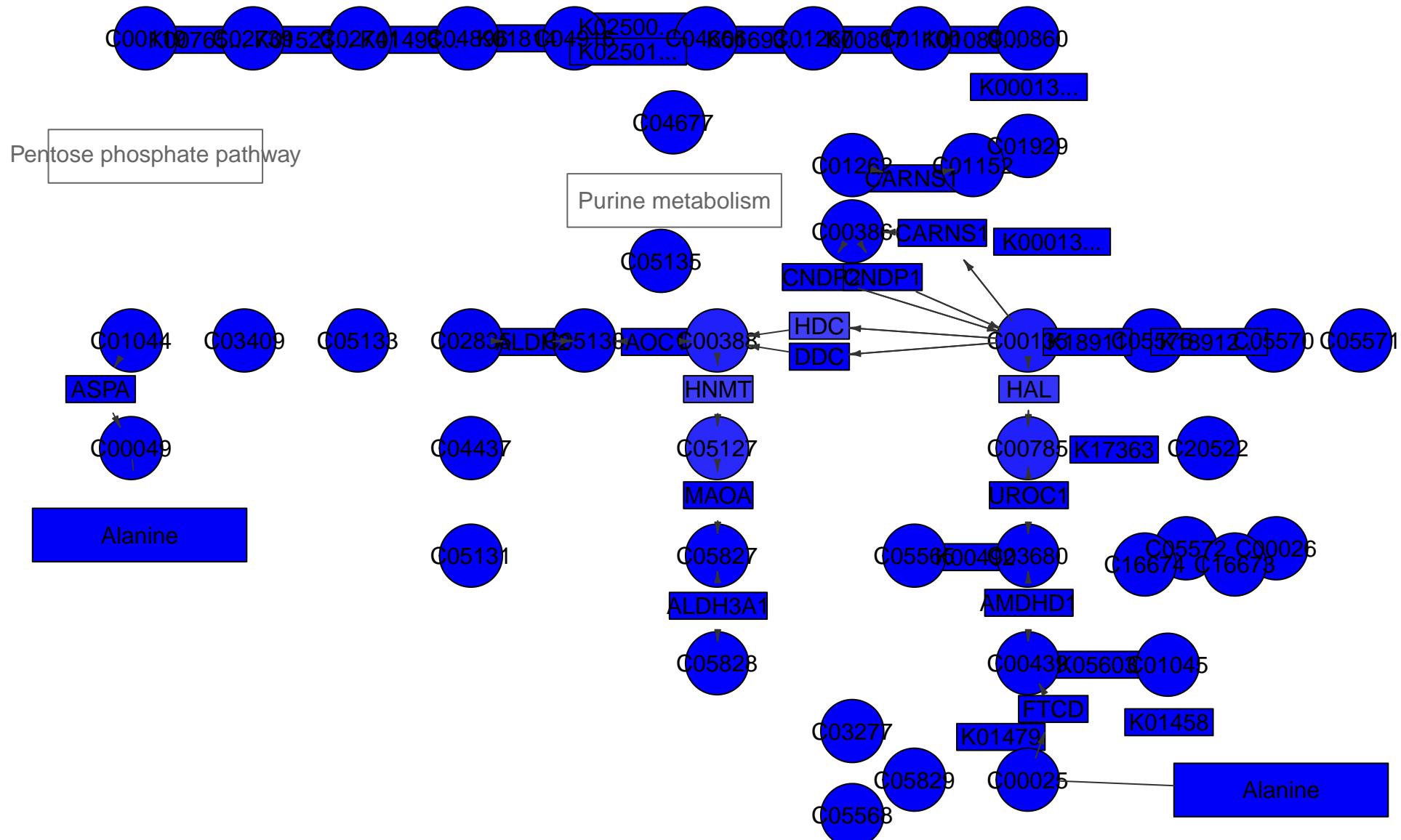
Histidine metabolism  
MPI-063



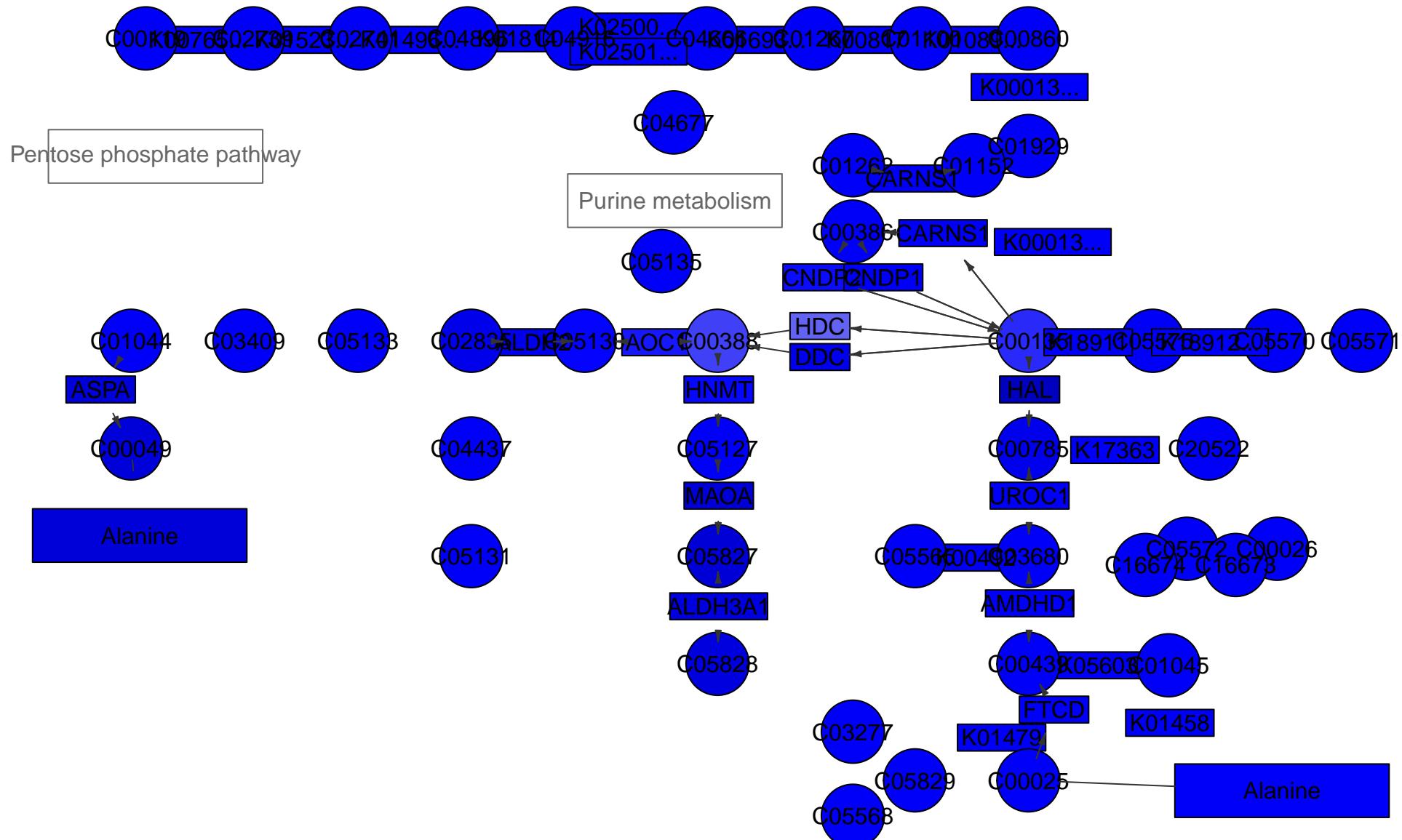
Histidine metabolism  
MPI-069



Histidine metabolism  
MPI-073

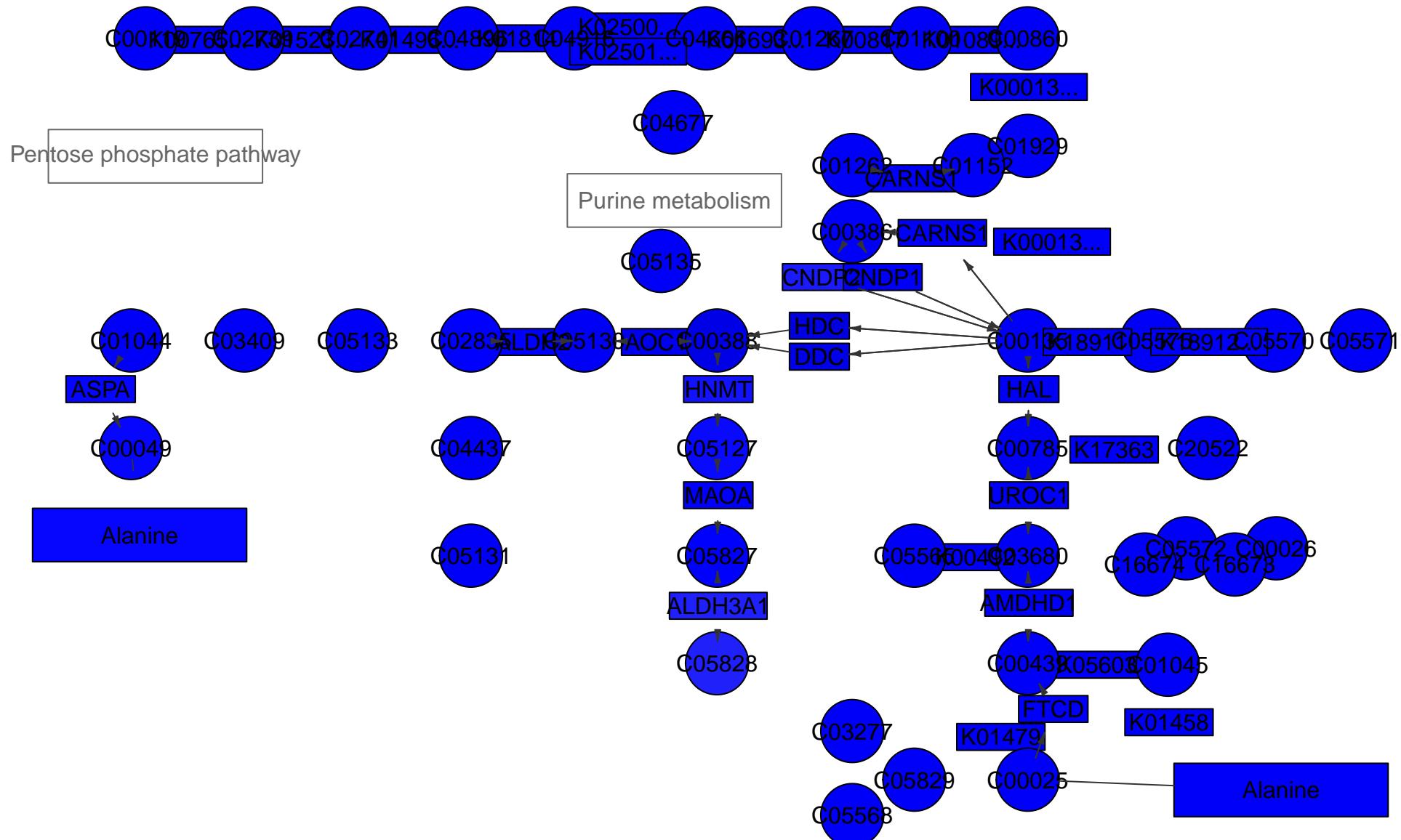


Histidine metabolism  
MPI-074

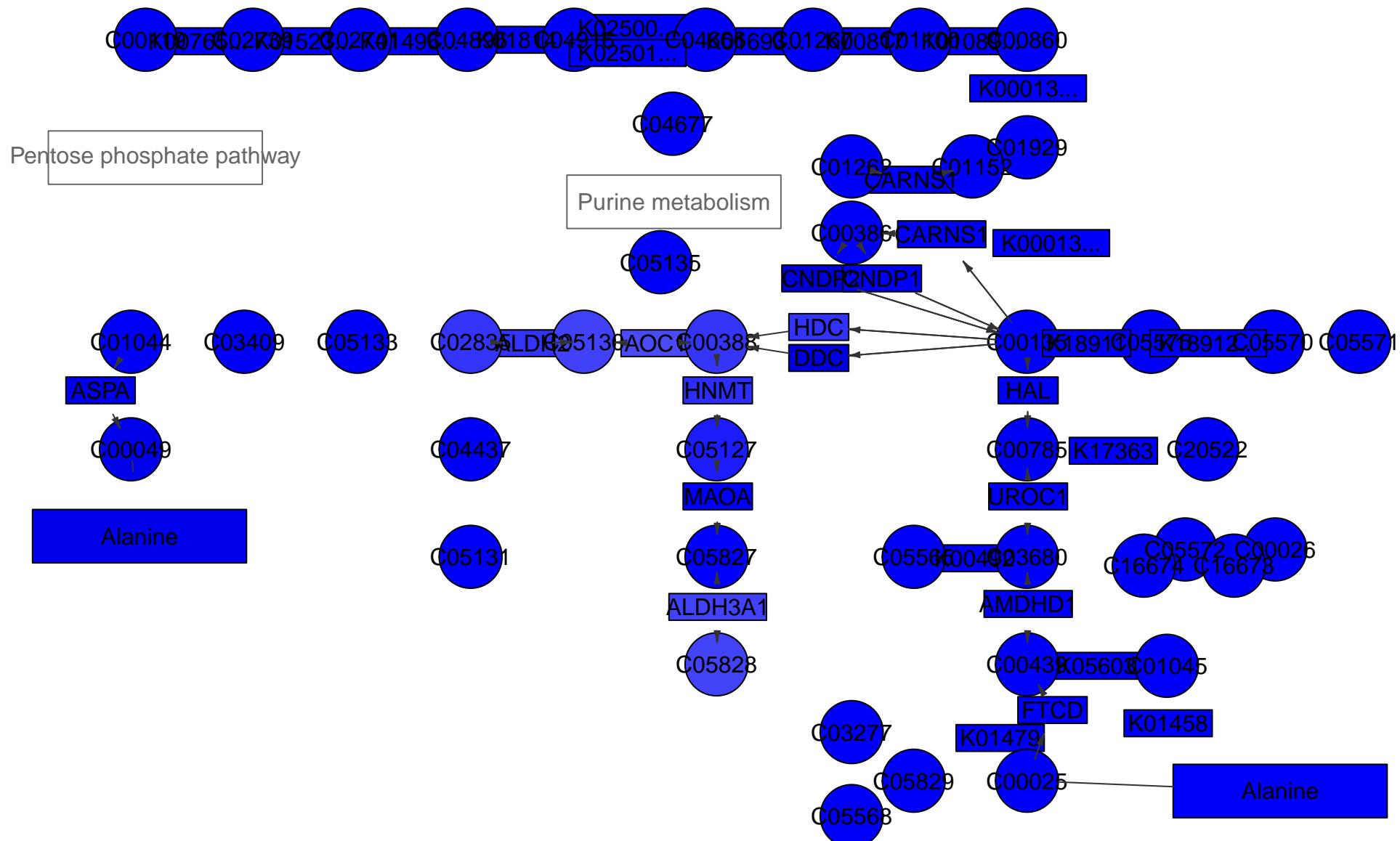


# Histidine metabolism

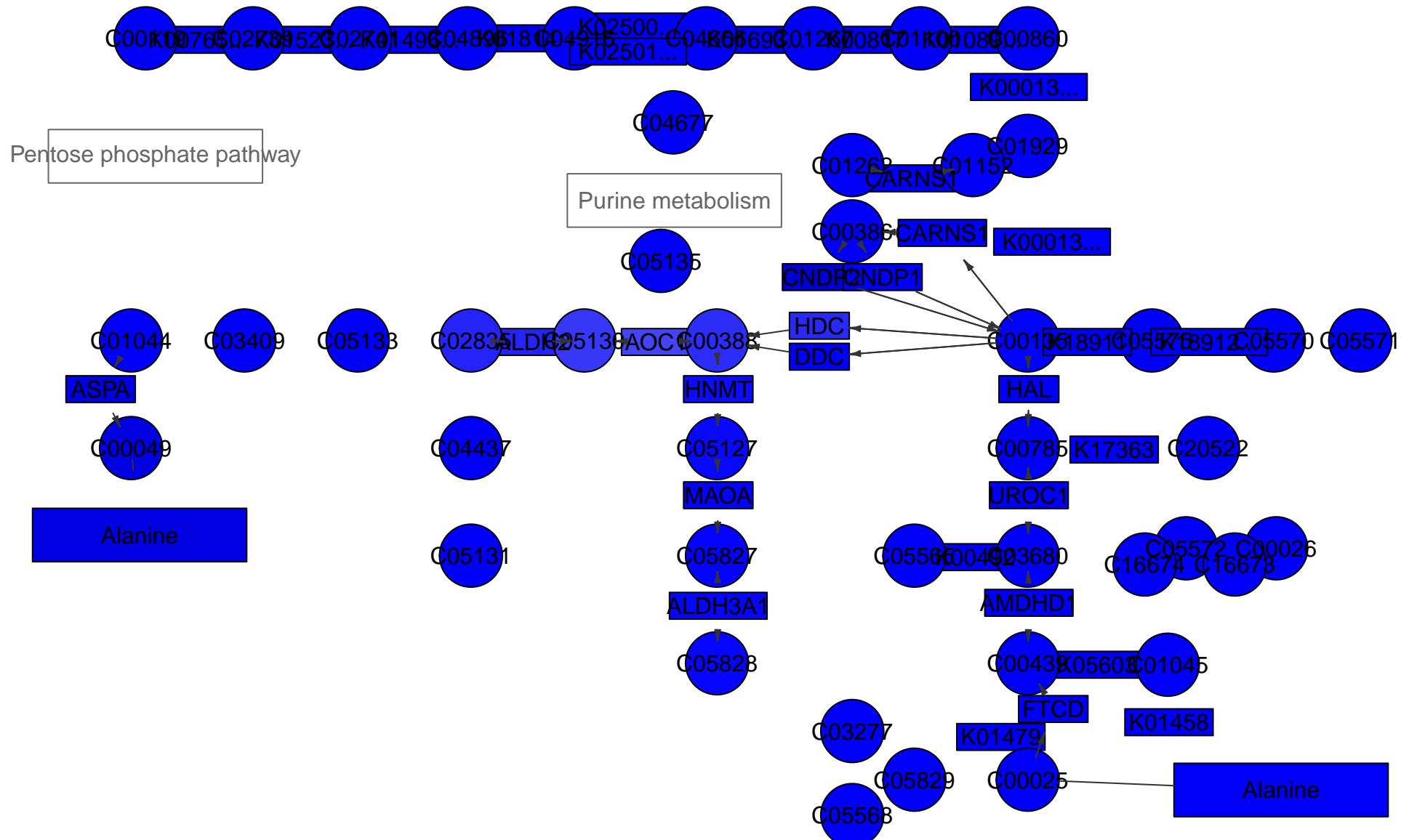
## MPI-076



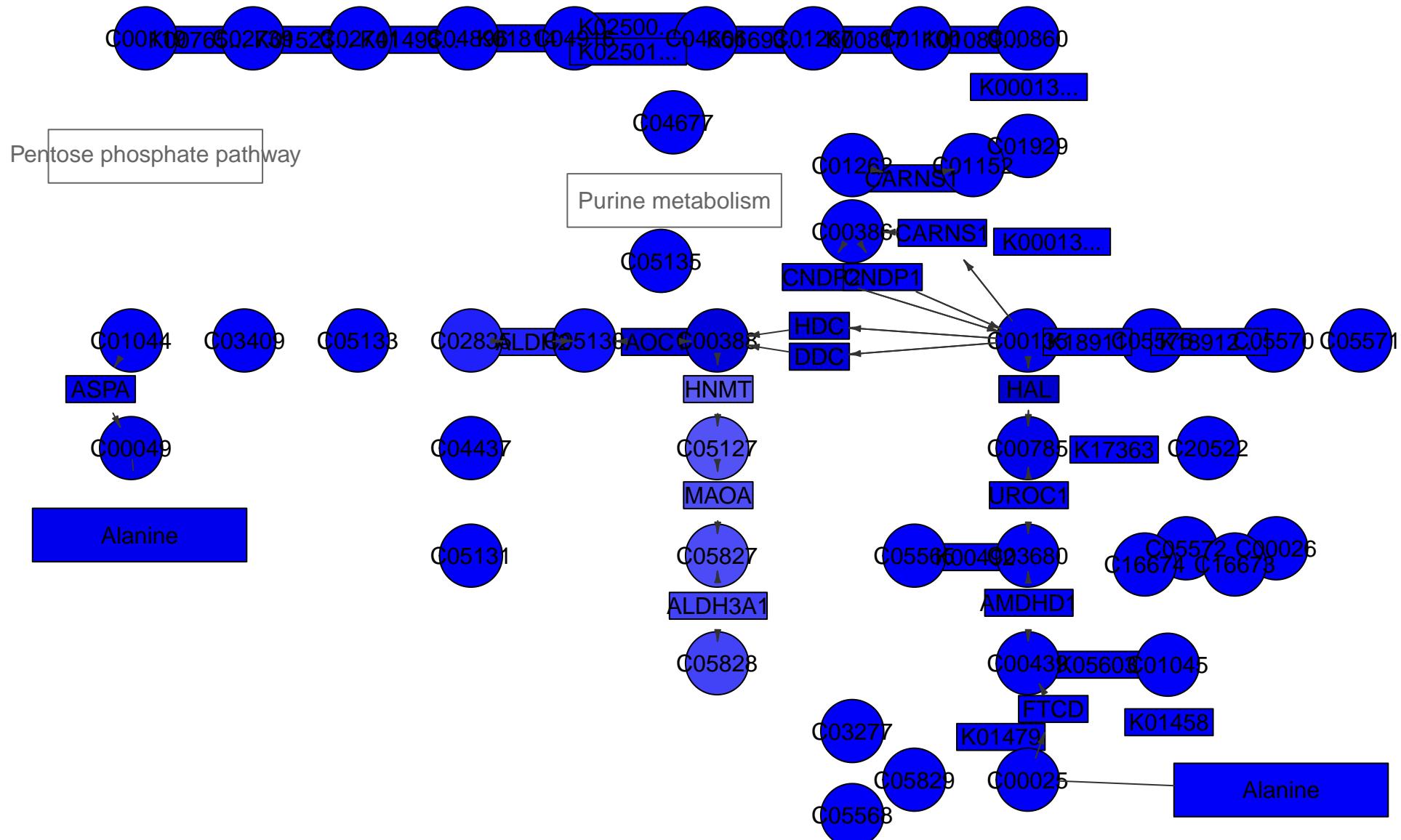
Histidine metabolism  
MPI-083



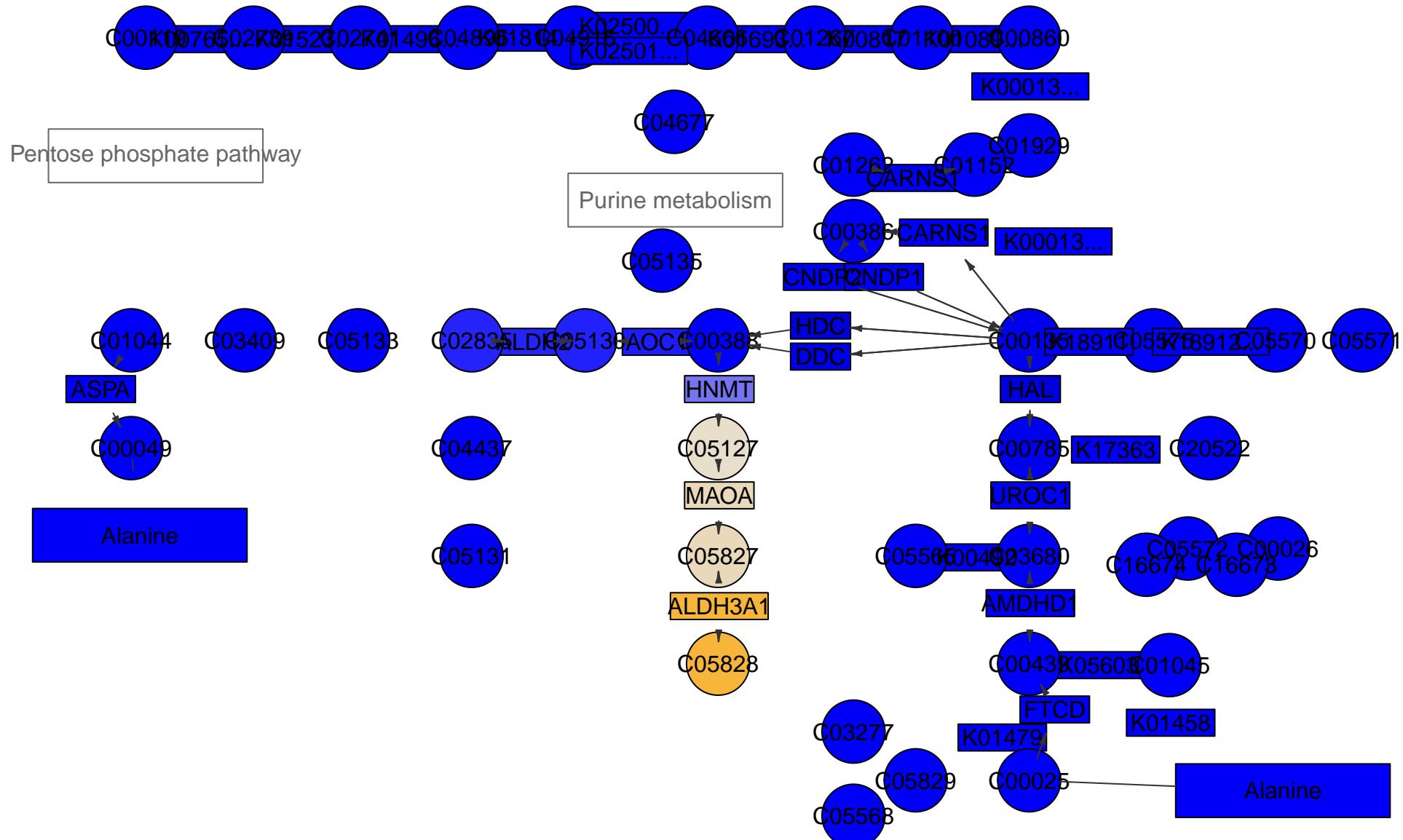
Histidine metabolism  
MPI-088



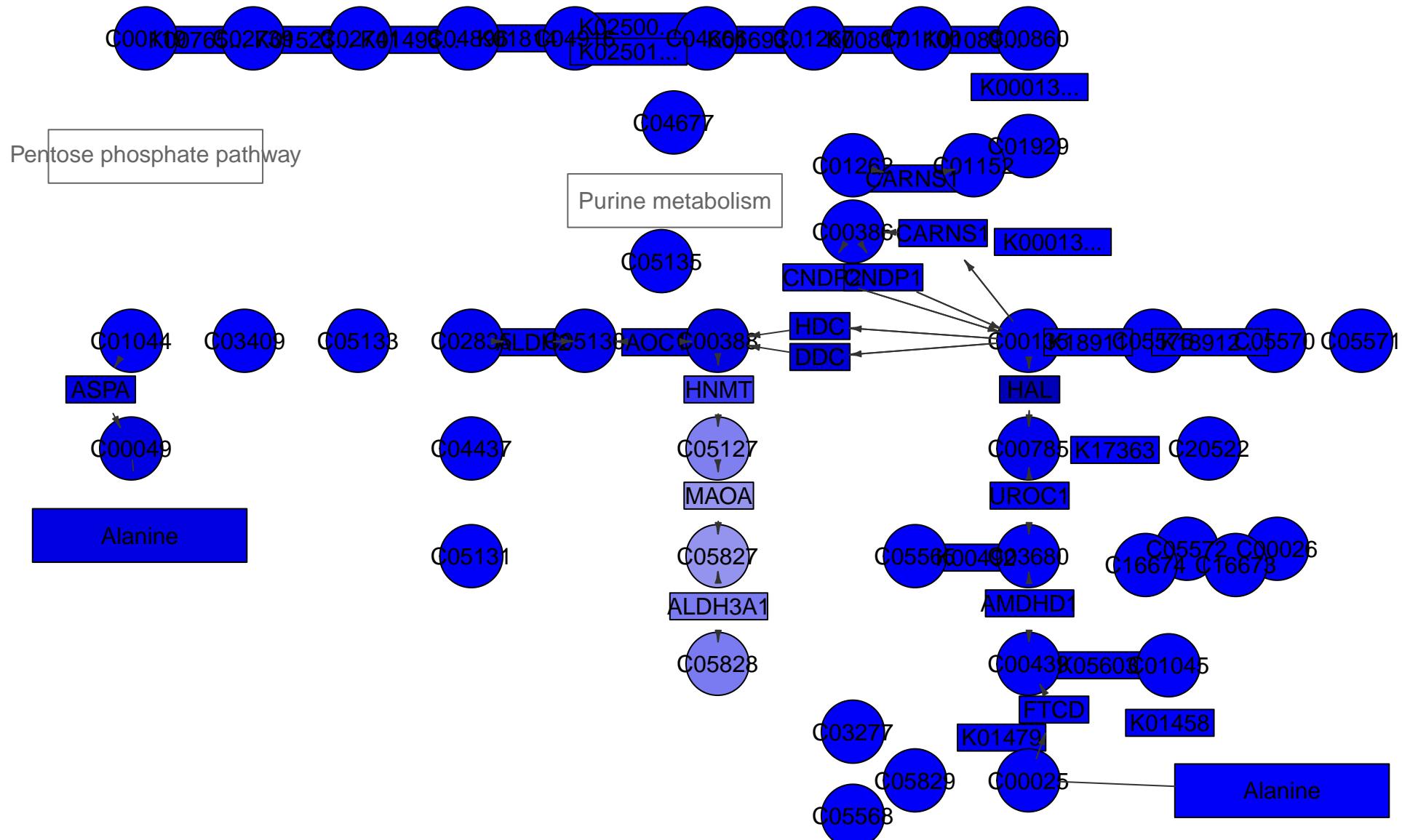
Histidine metabolism  
MPI-092



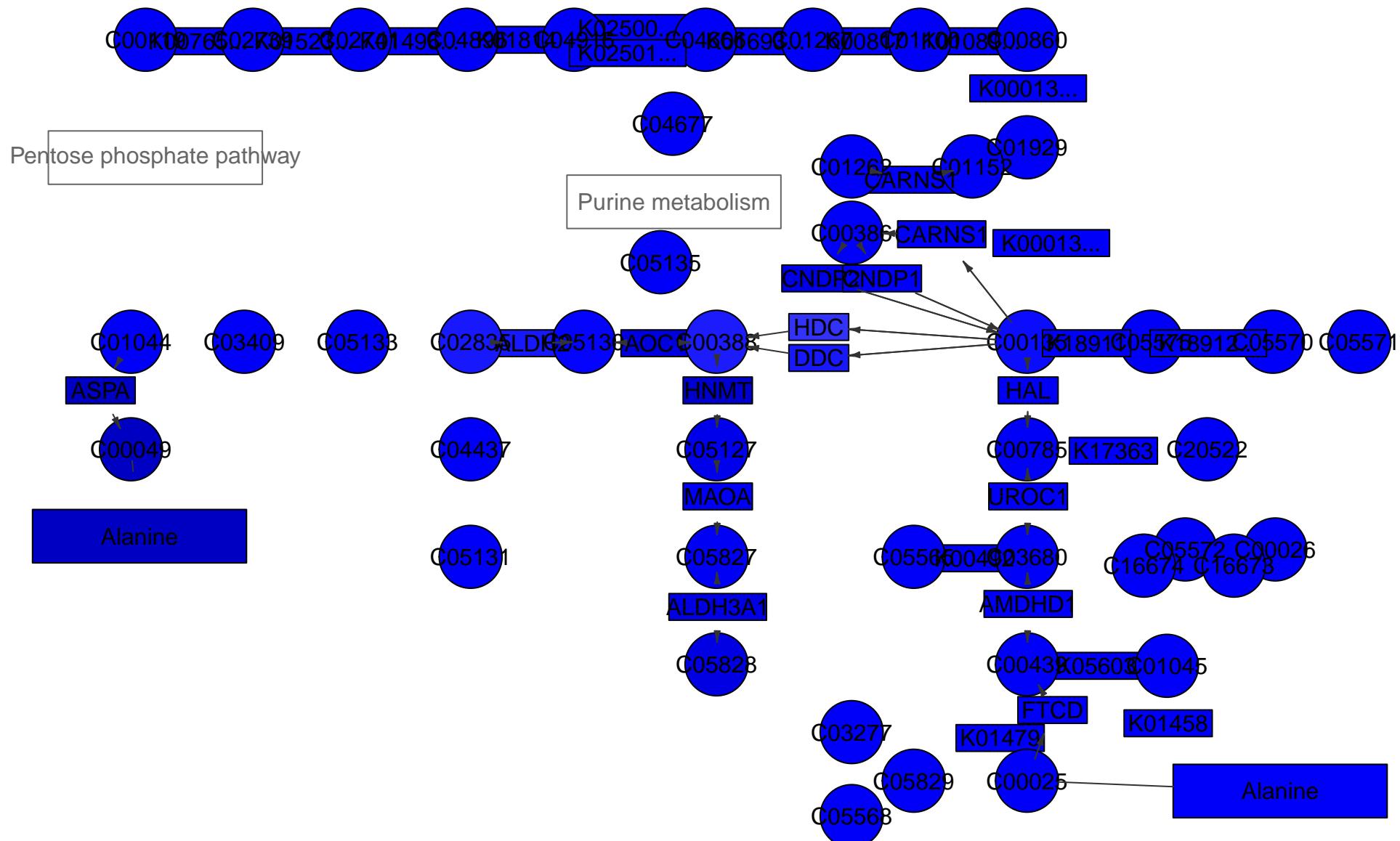
Histidine metabolism  
MPI-096



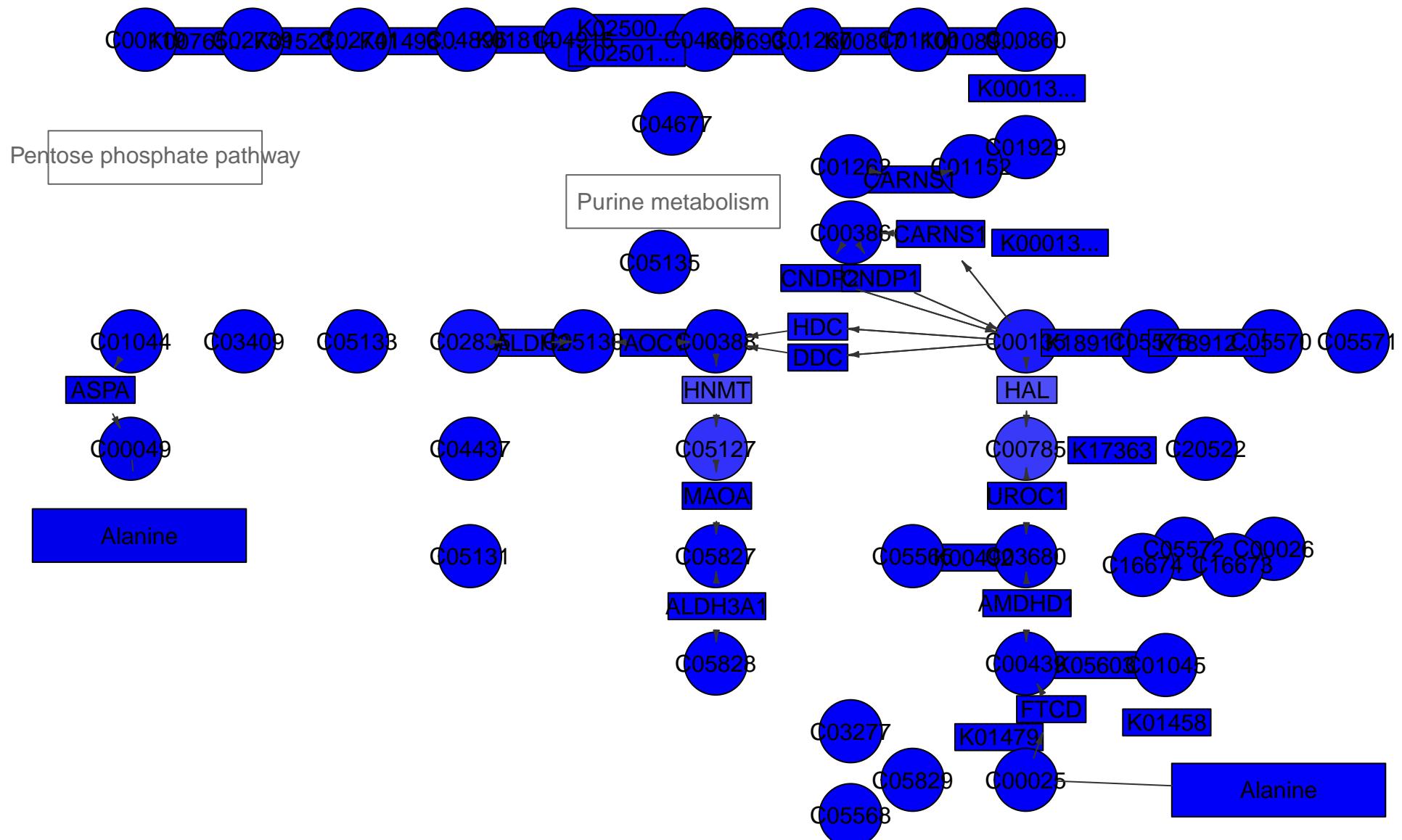
Histidine metabolism  
MPI-098



Histidine metabolism  
MPI-100

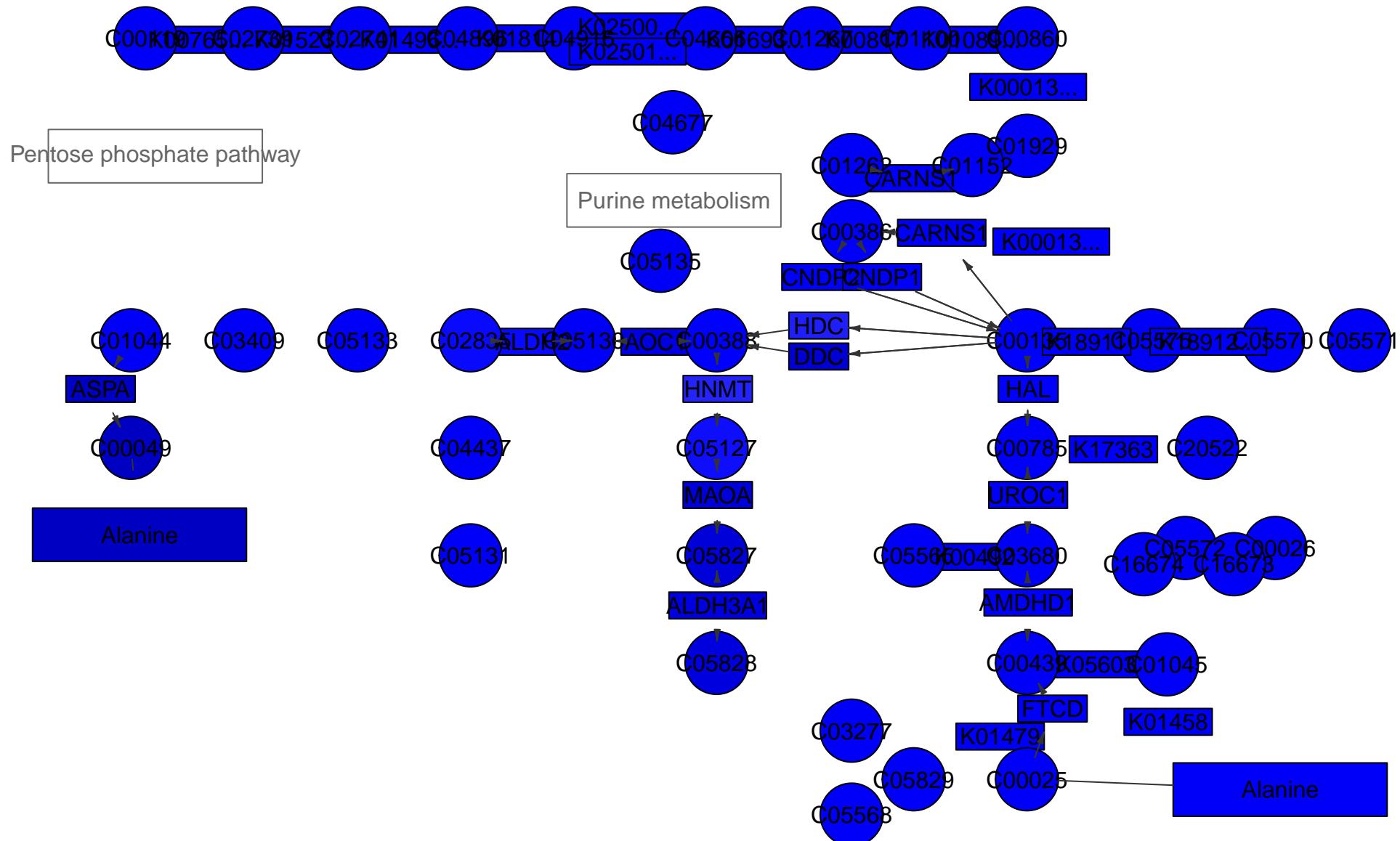


Histidine metabolism  
MPI-105

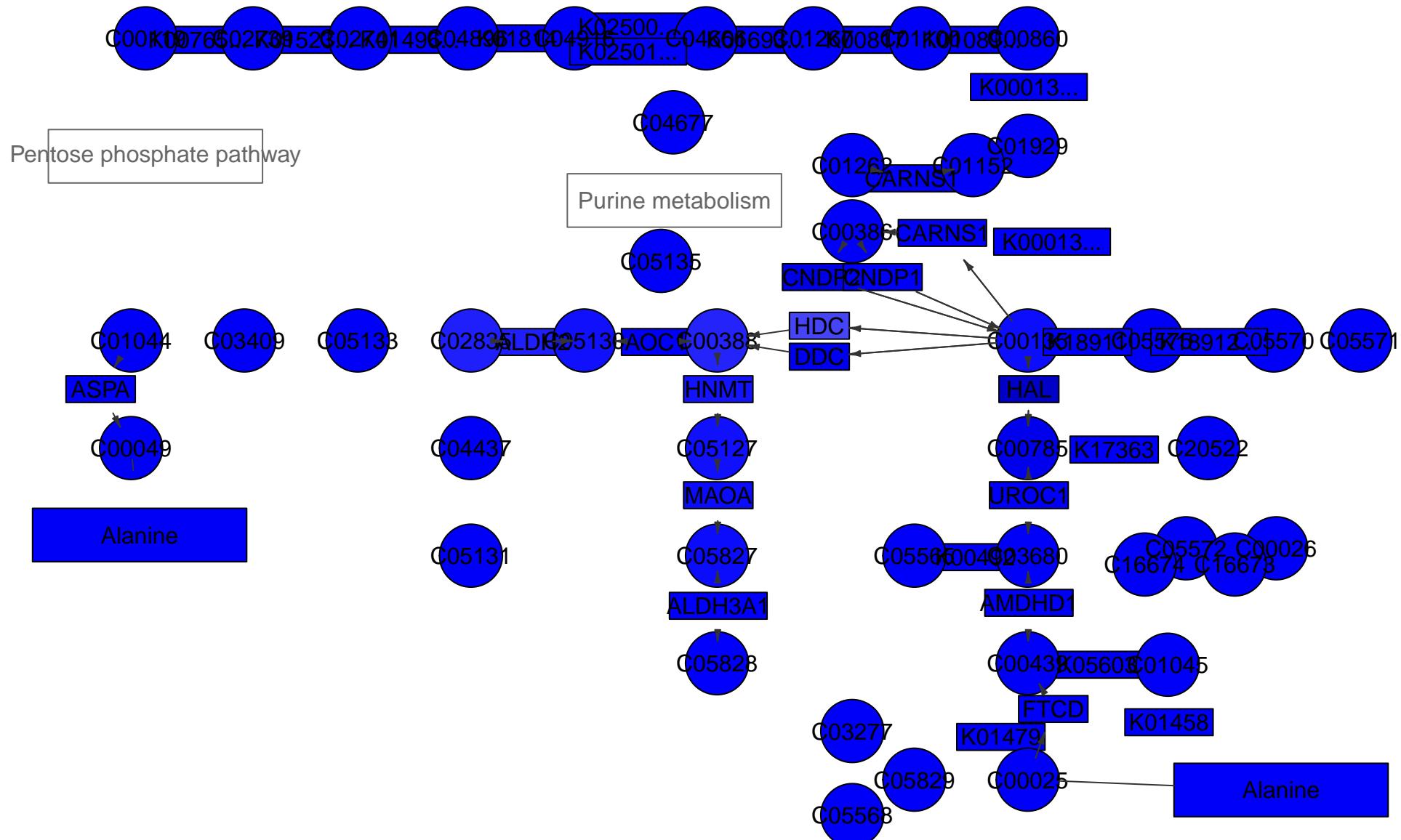


## Histidine metabolism

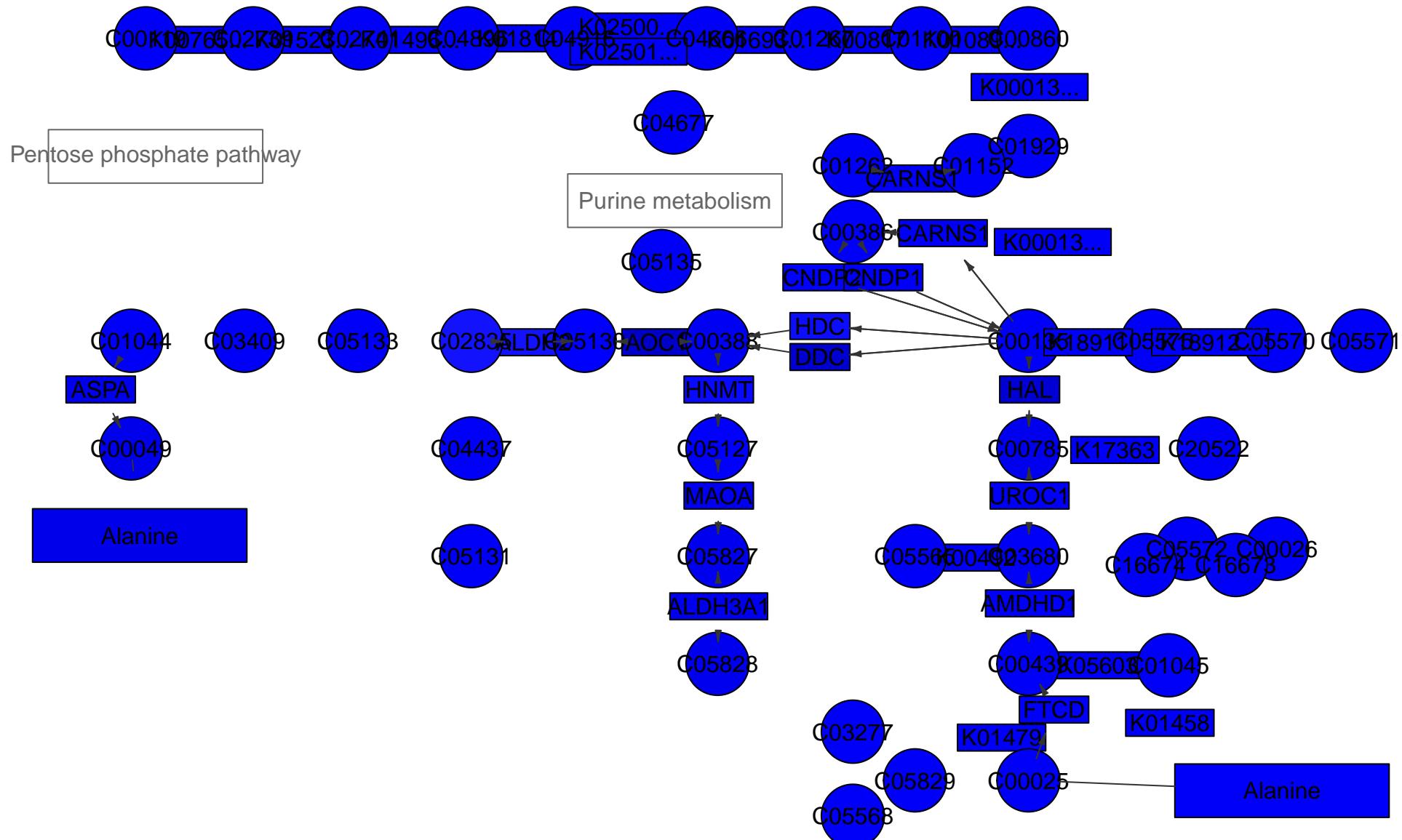
### MPI-106



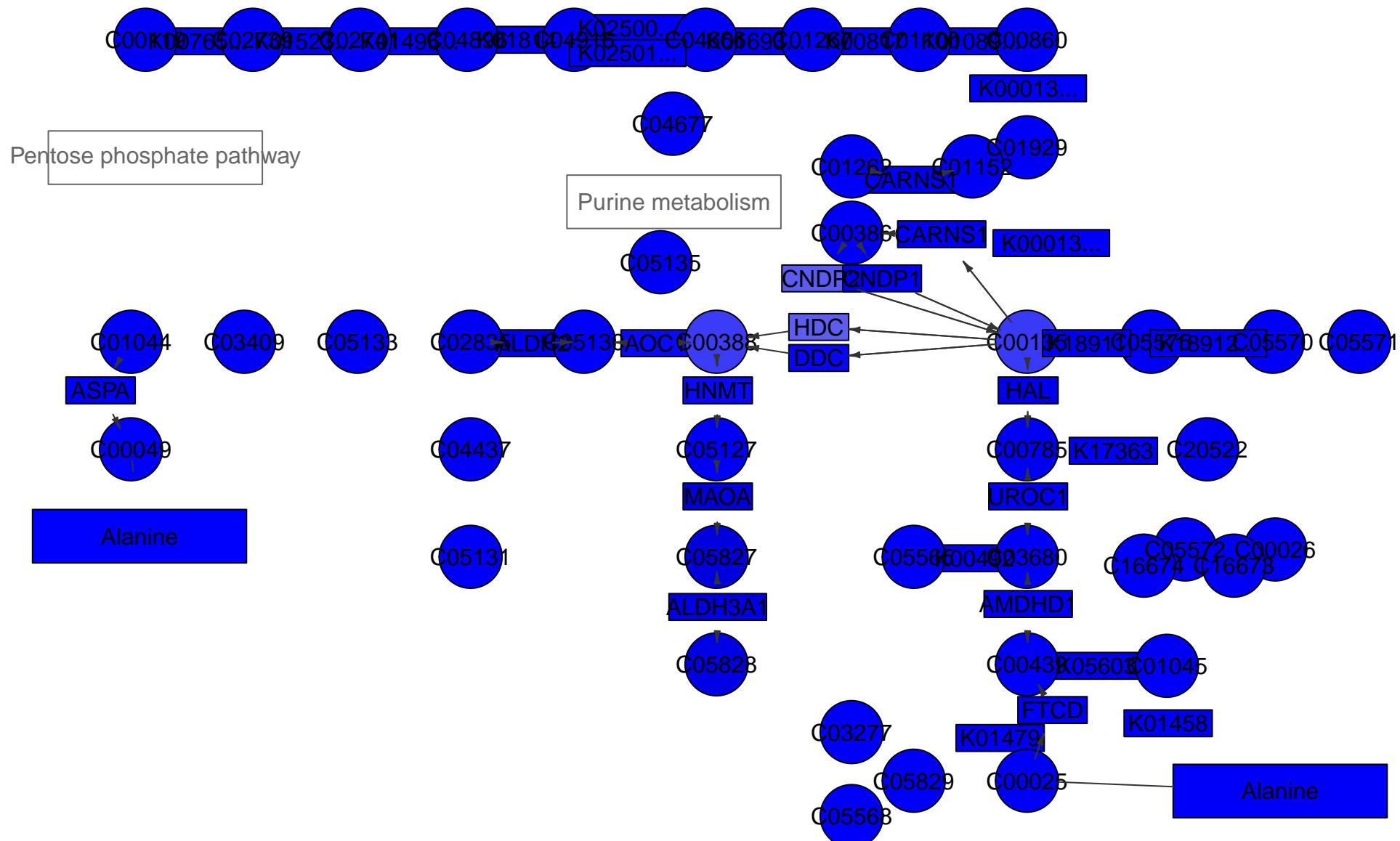
Histidine metabolism  
MPI-108



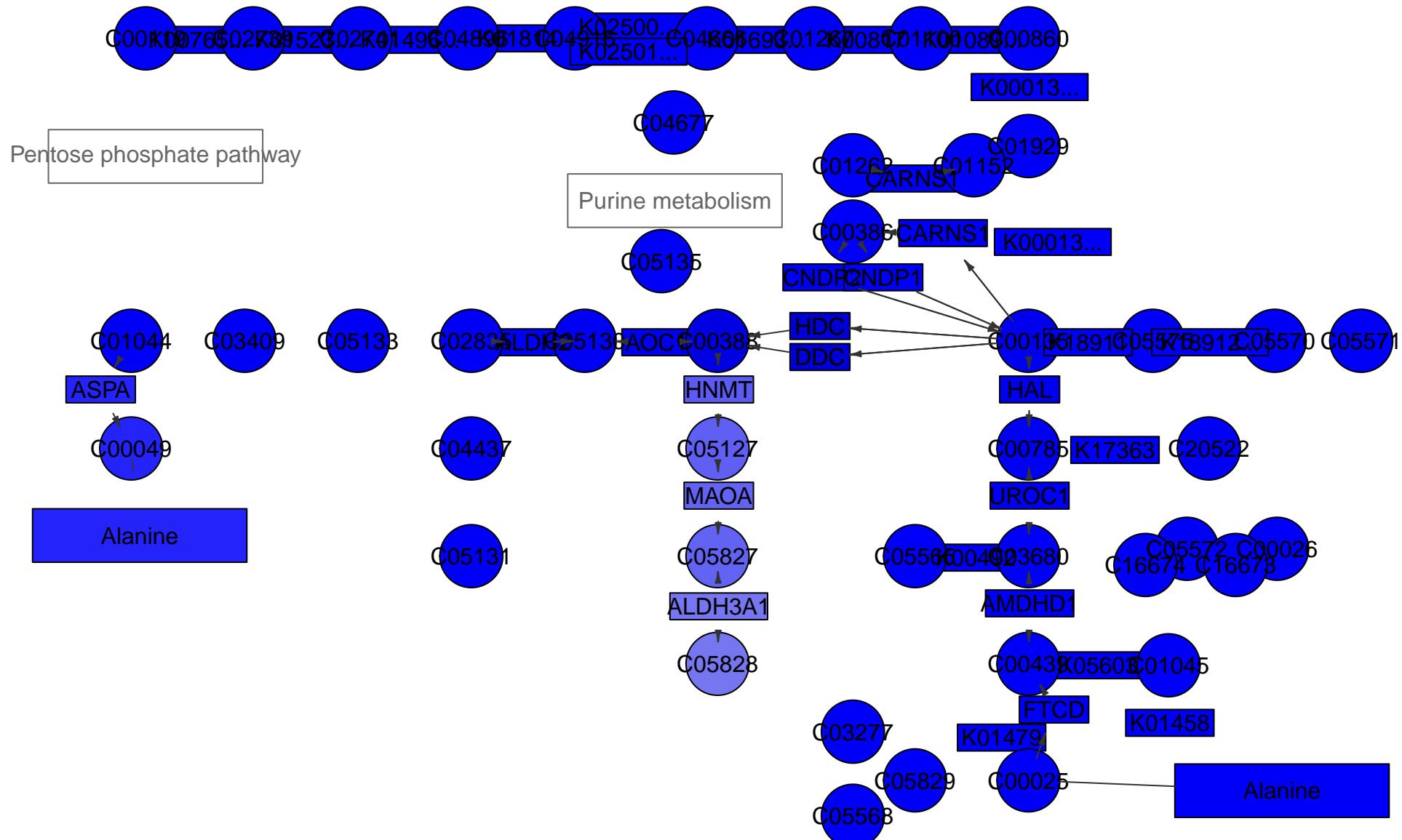
Histidine metabolism  
MPI-109



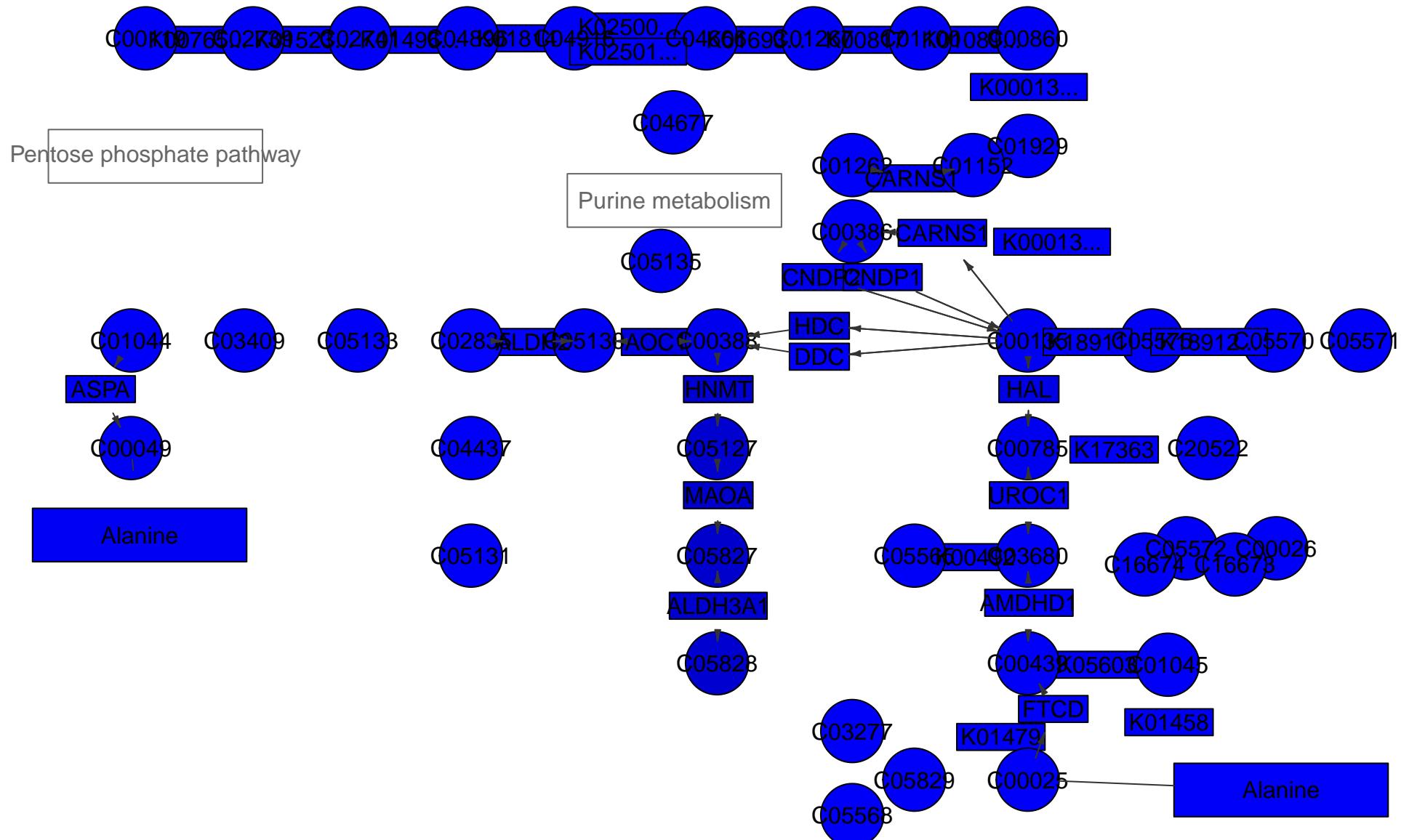
Histidine metabolism  
MPI-110



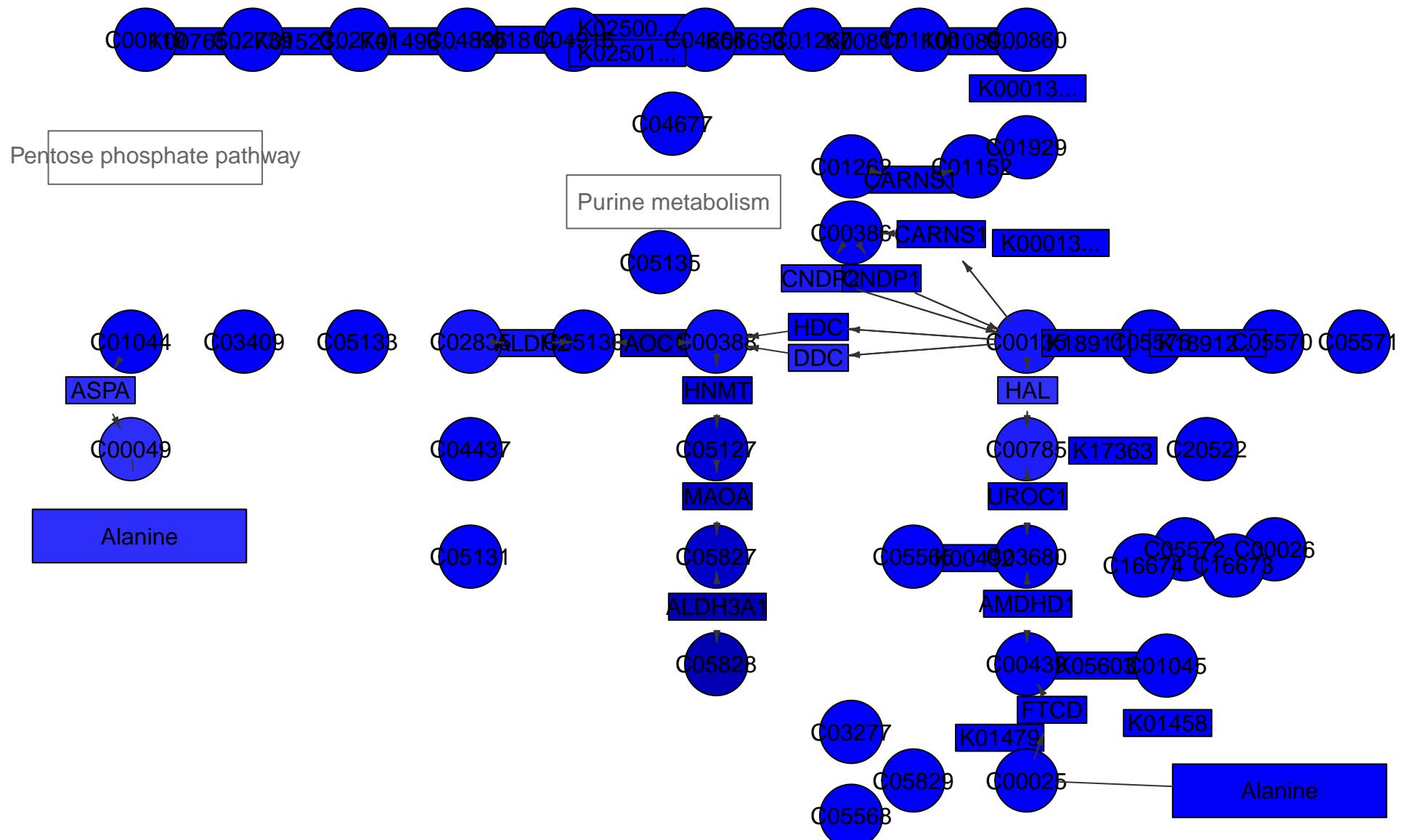
Histidine metabolism  
MPI-111



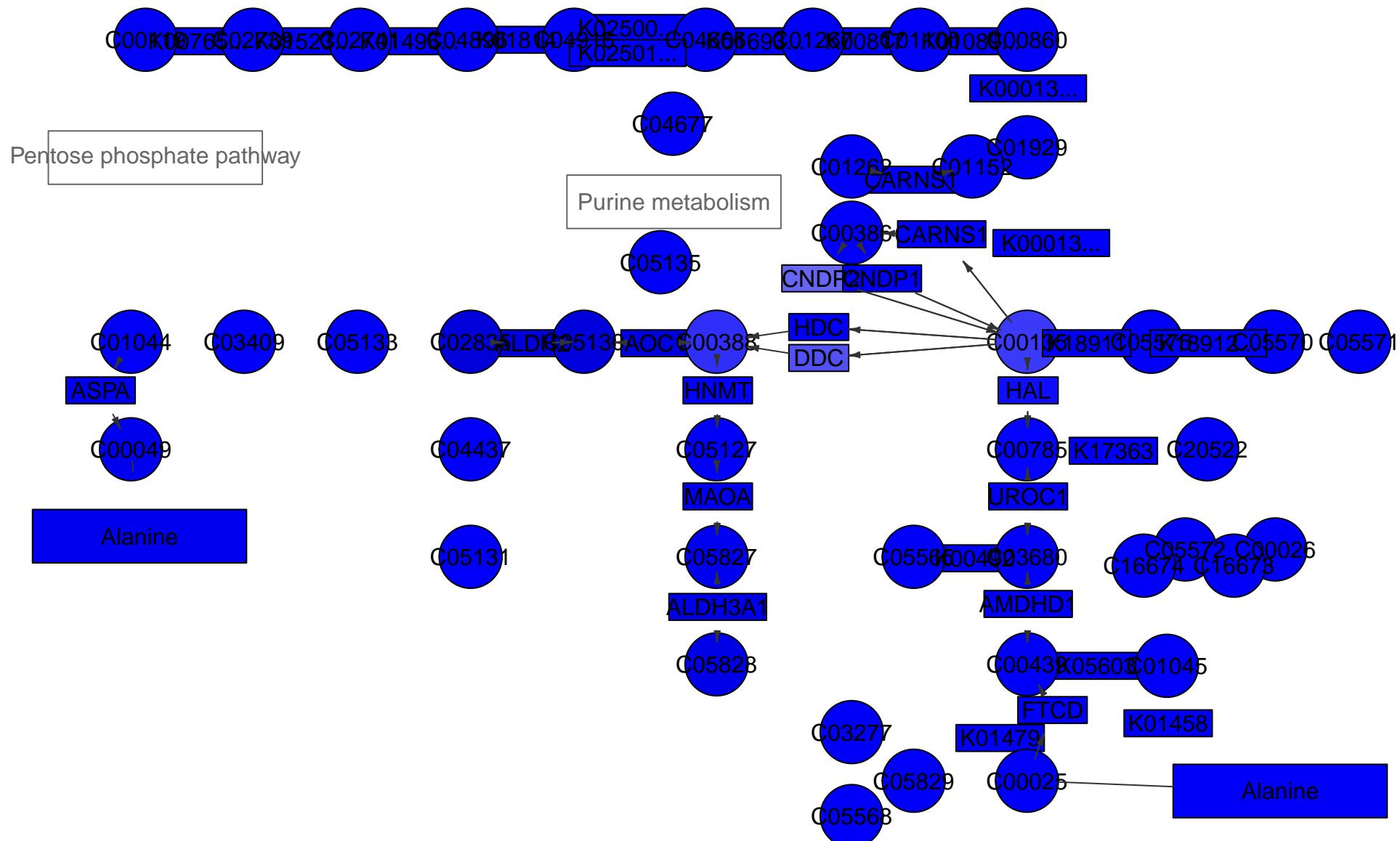
Histidine metabolism  
MPI-113



Histidine metabolism  
MPI-115

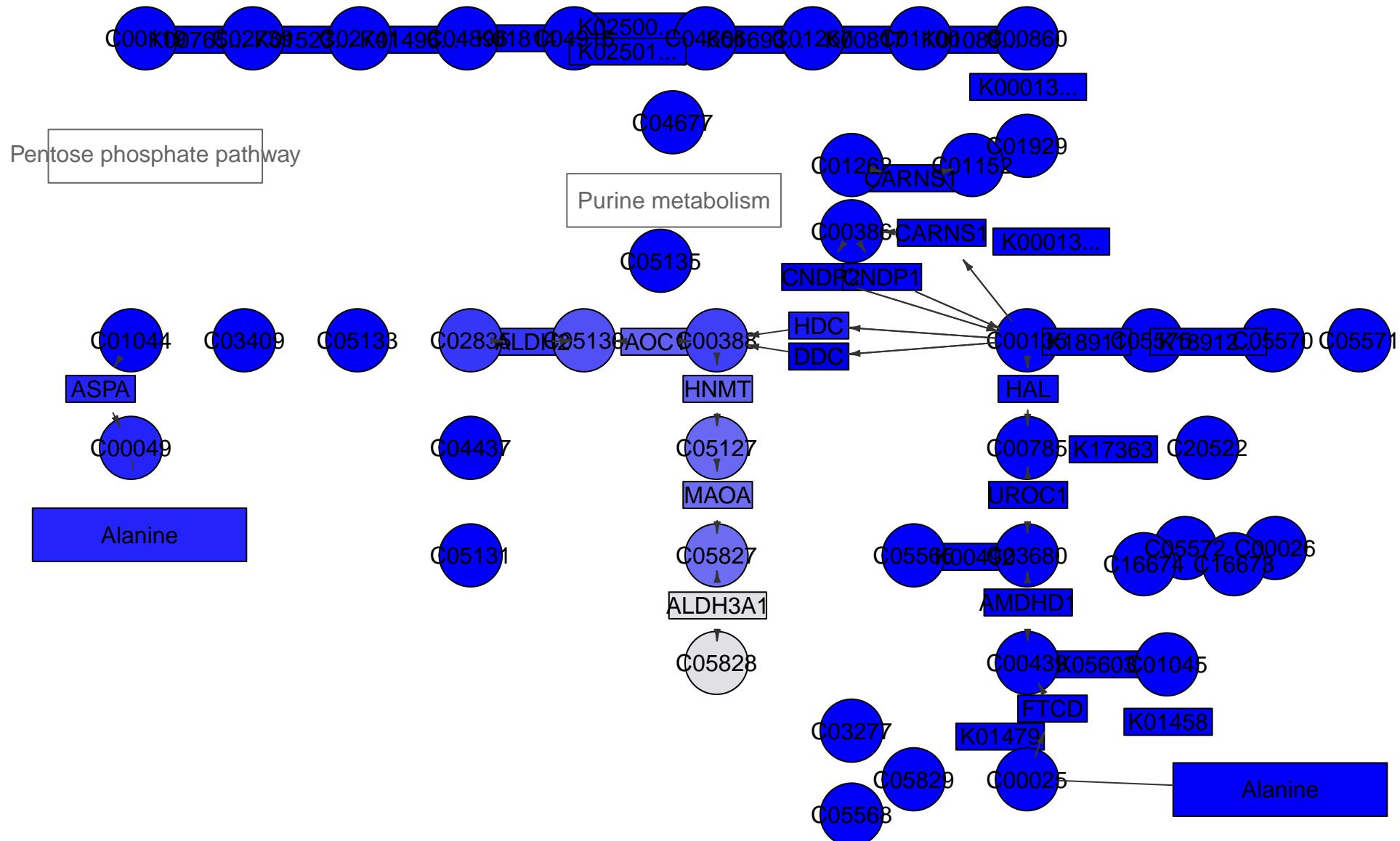


Histidine metabolism  
MPI-118

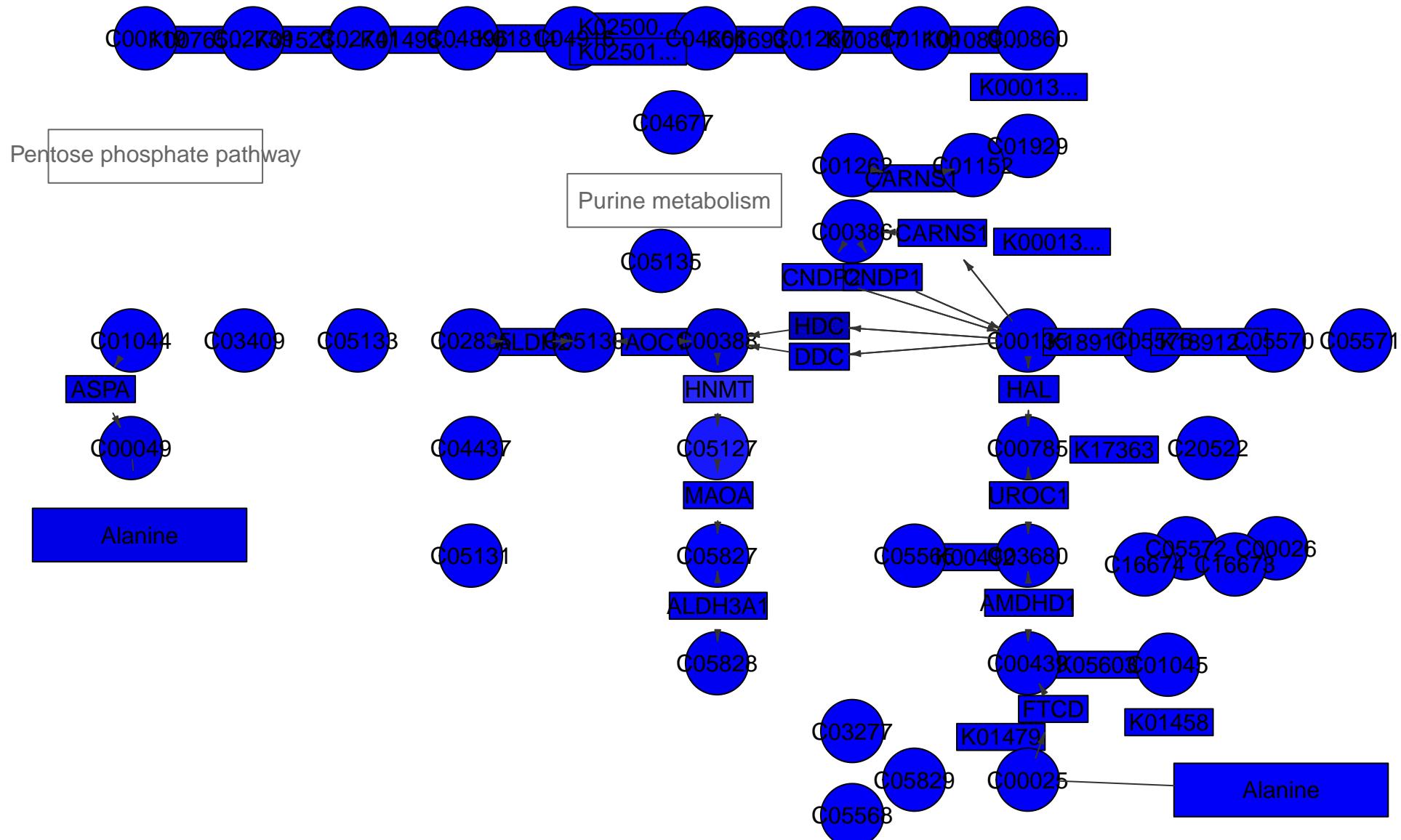


# Histidine metabolism

## MPI-119

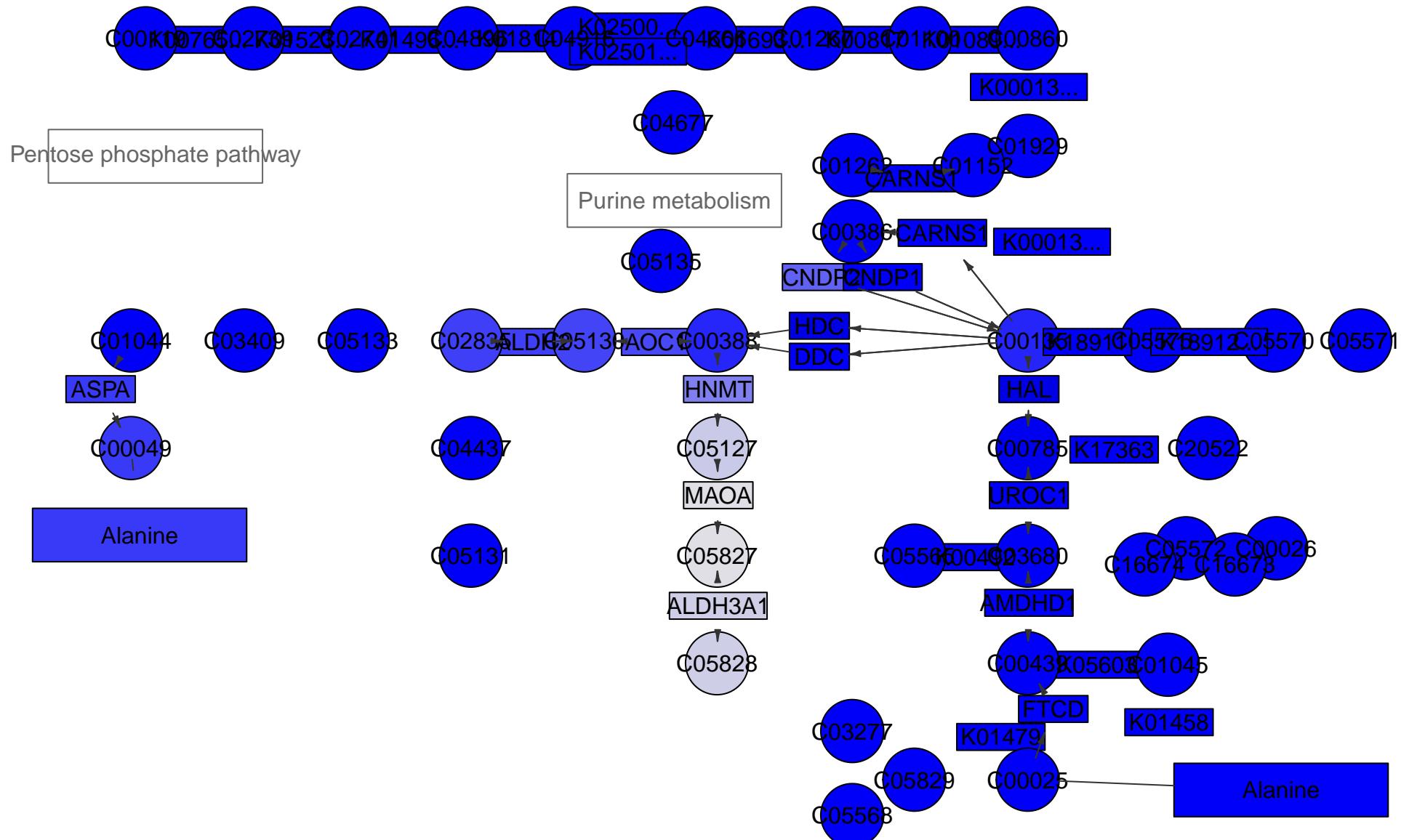


Histidine metabolism  
MPI-122

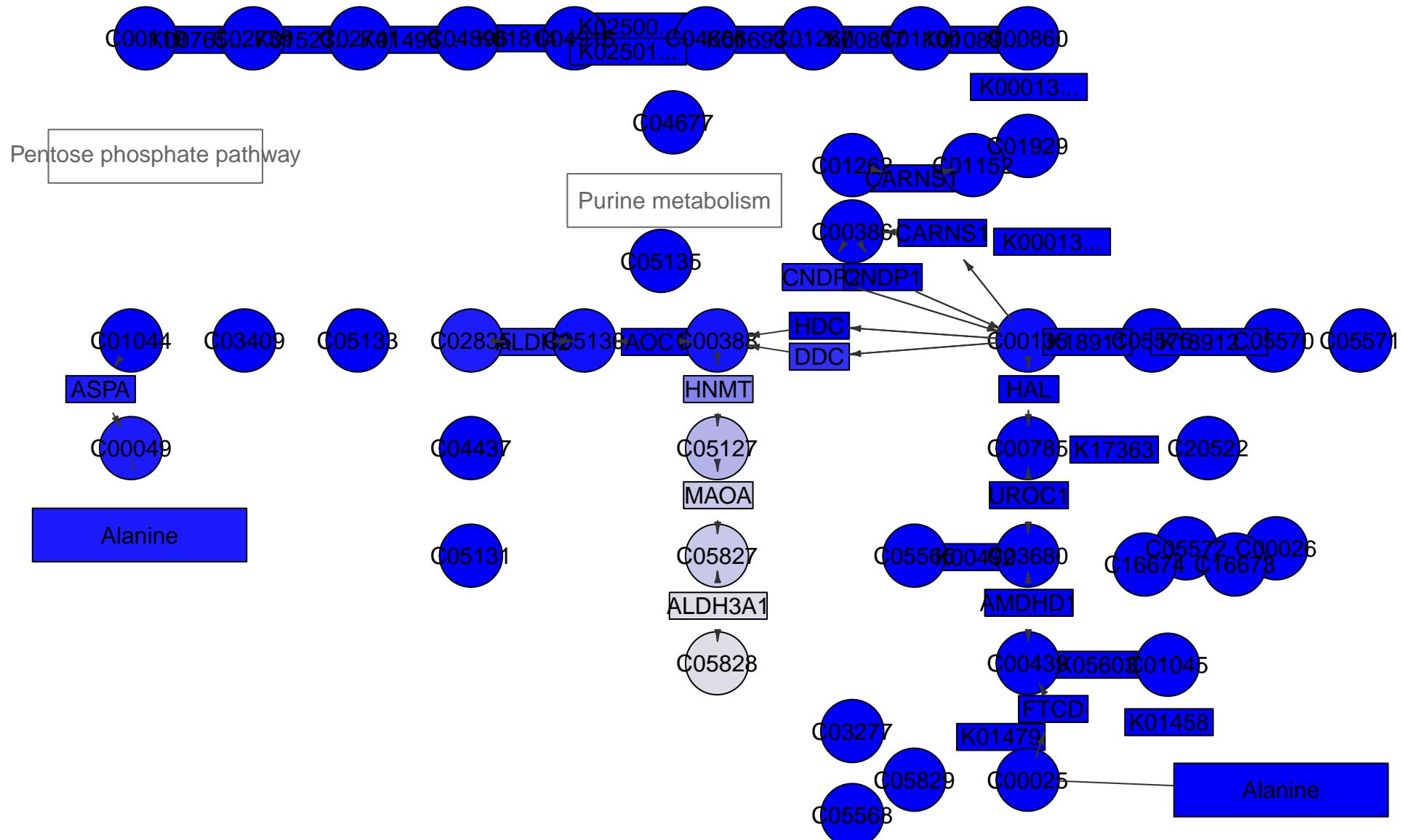


# Histidine metabolism

## MPI-127

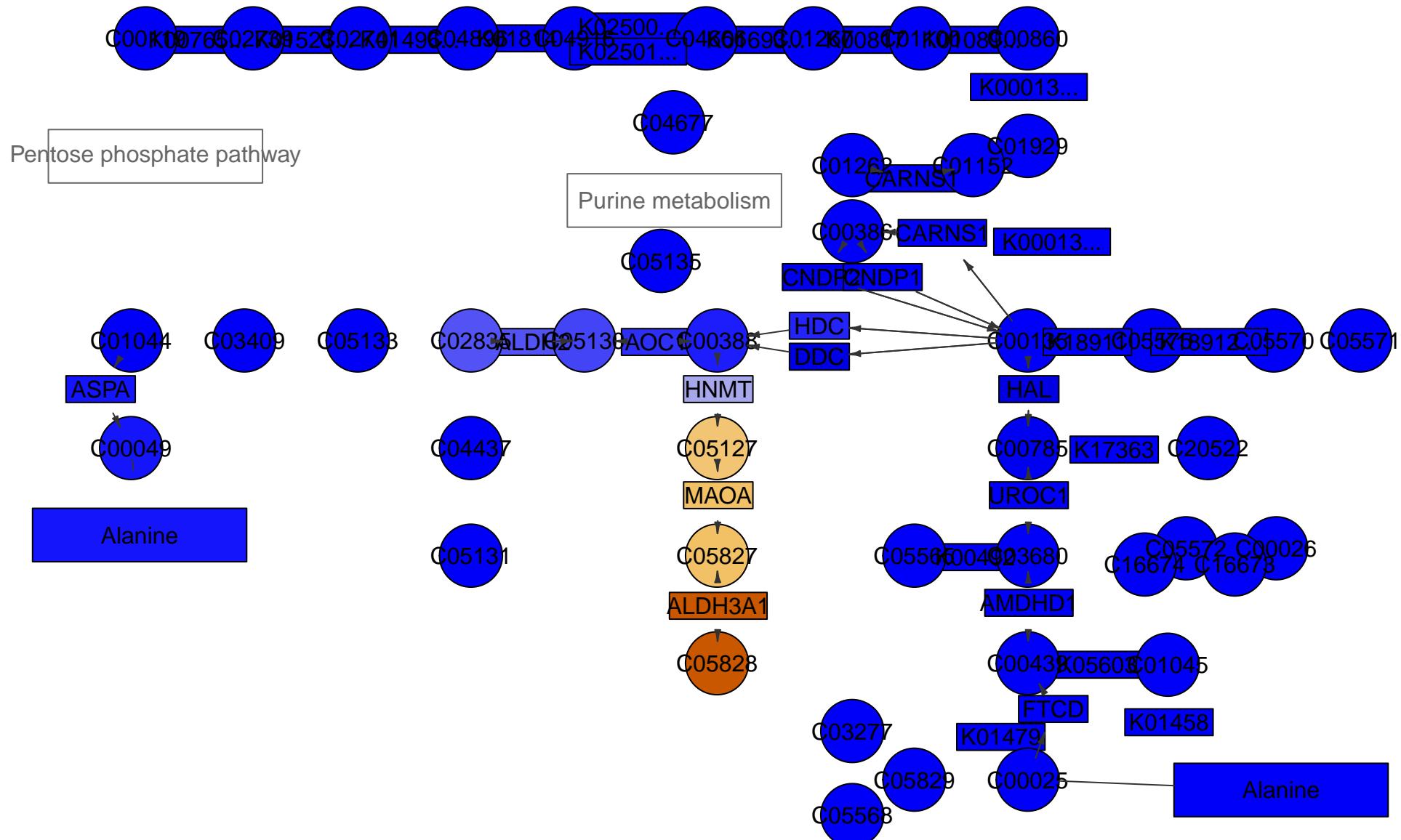


Histidine metabolism  
MPI-128

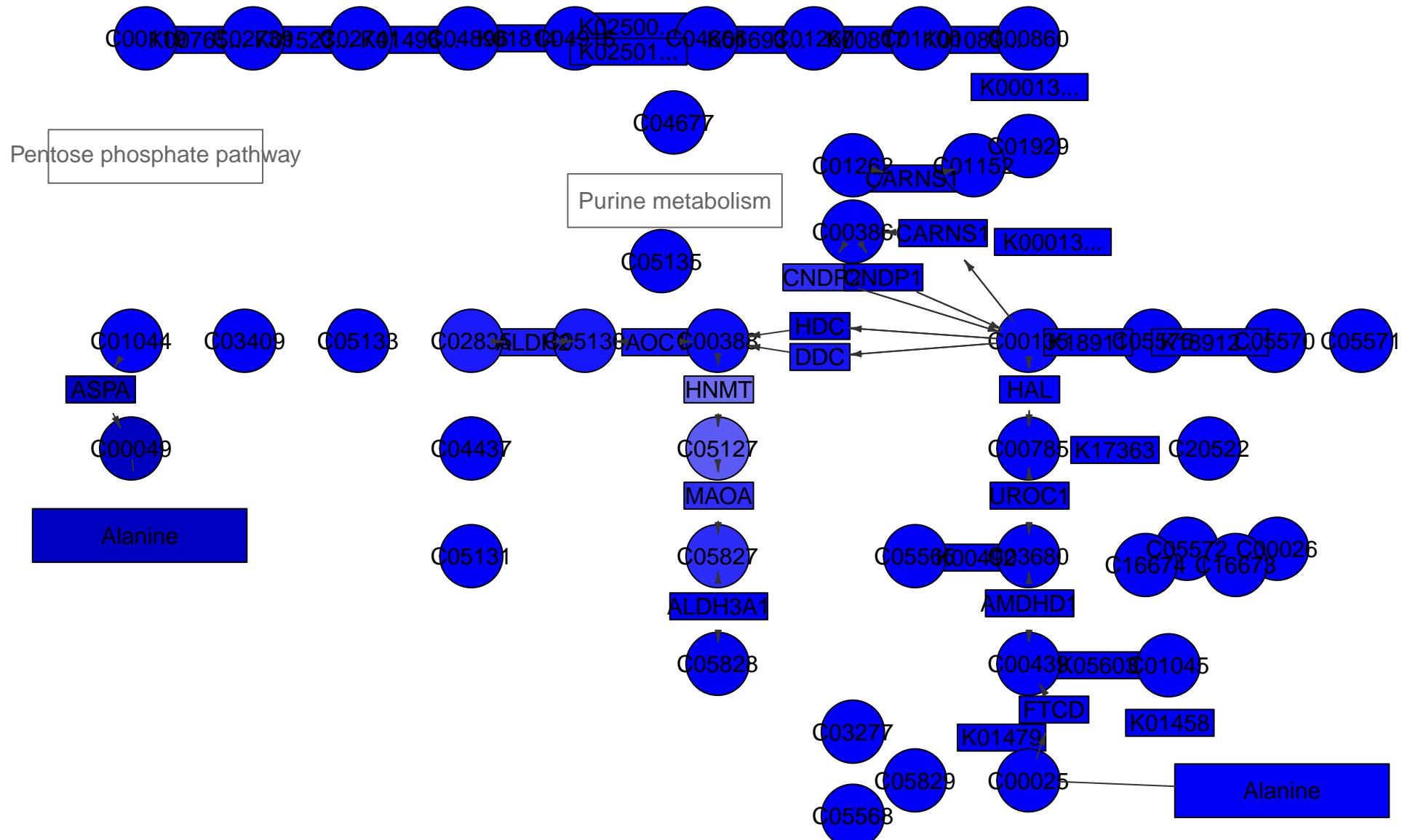


# Histidine metabolism

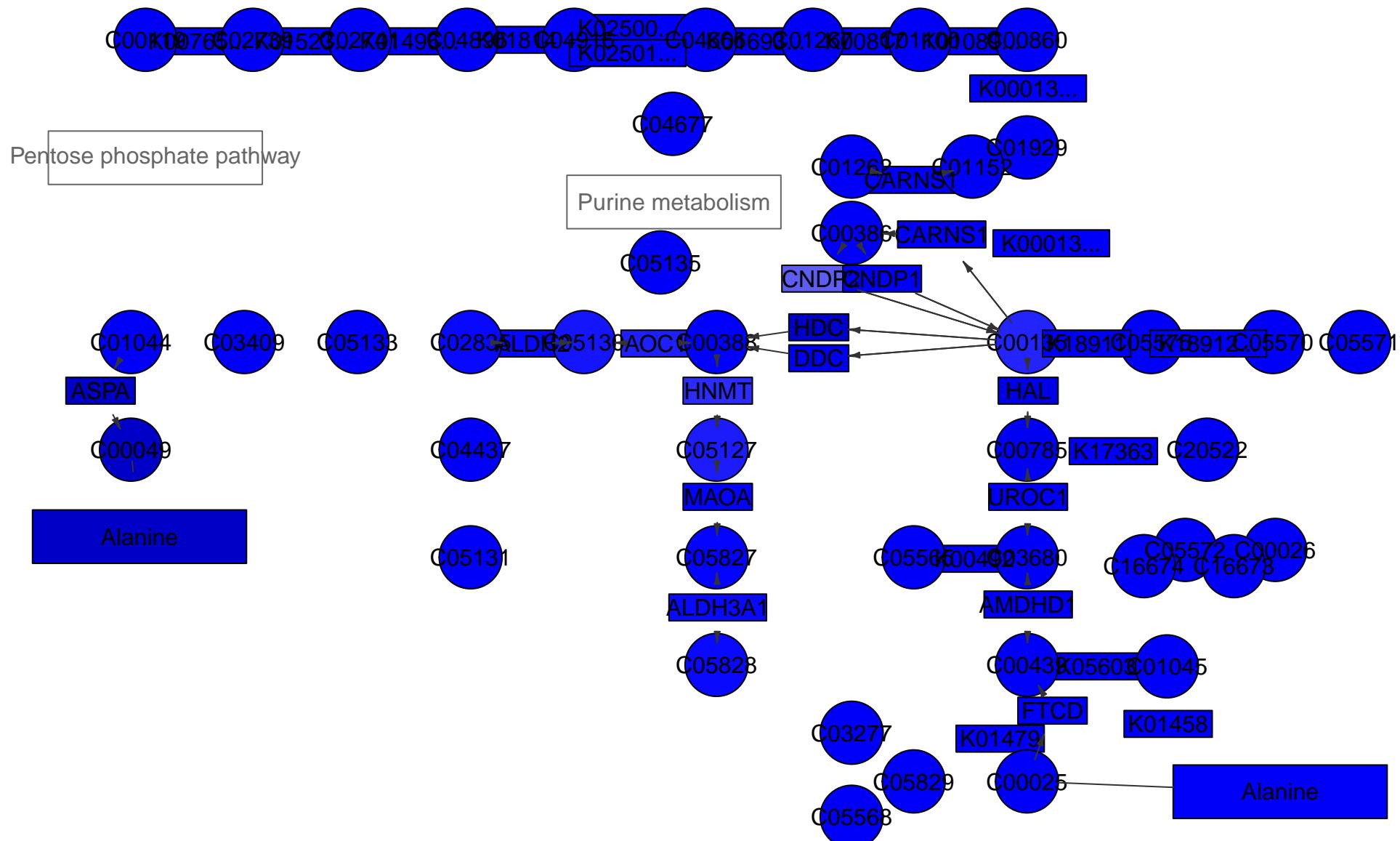
## MPI-129



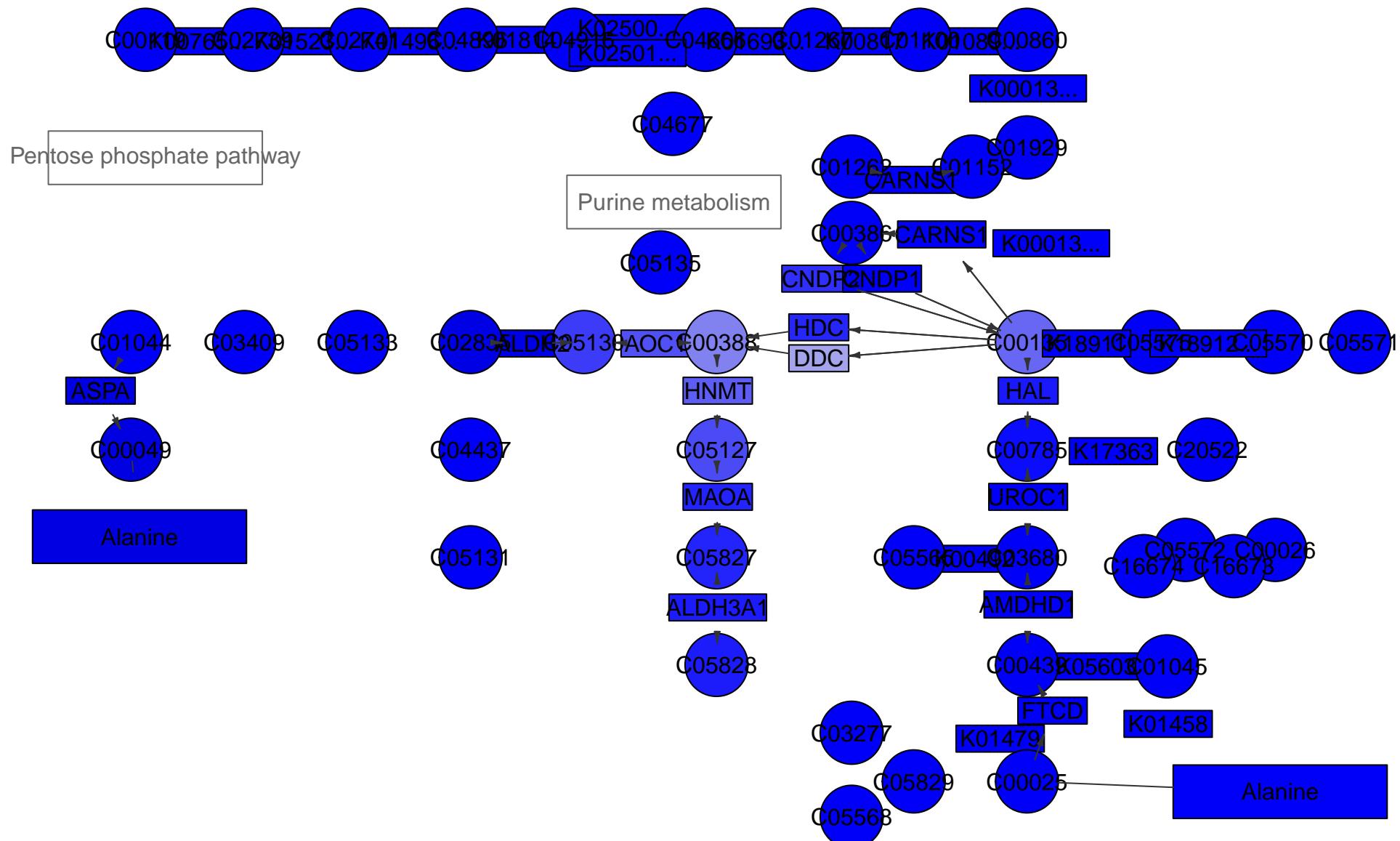
Histidine metabolism  
MPI-130



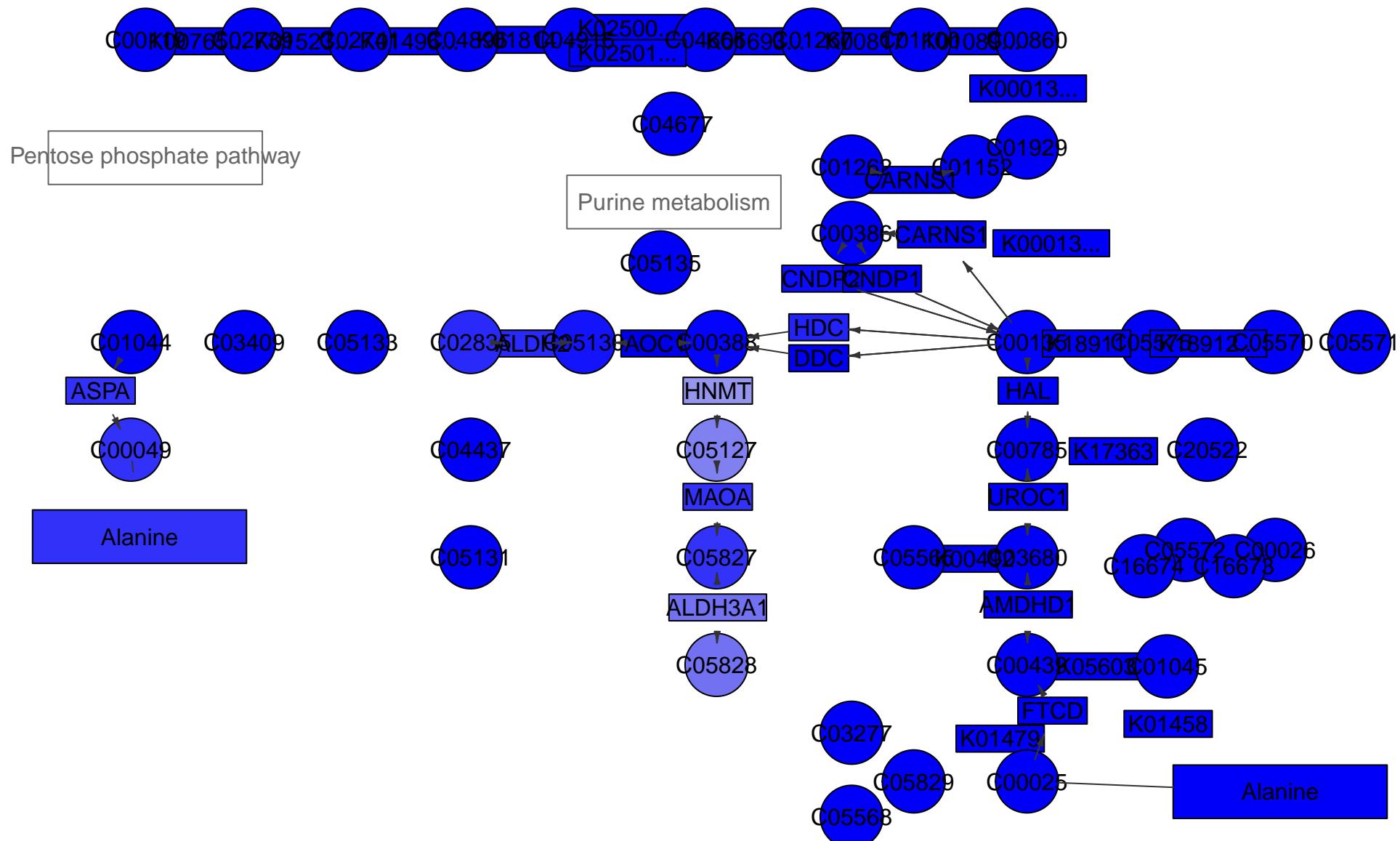
Histidine metabolism  
MPI-132



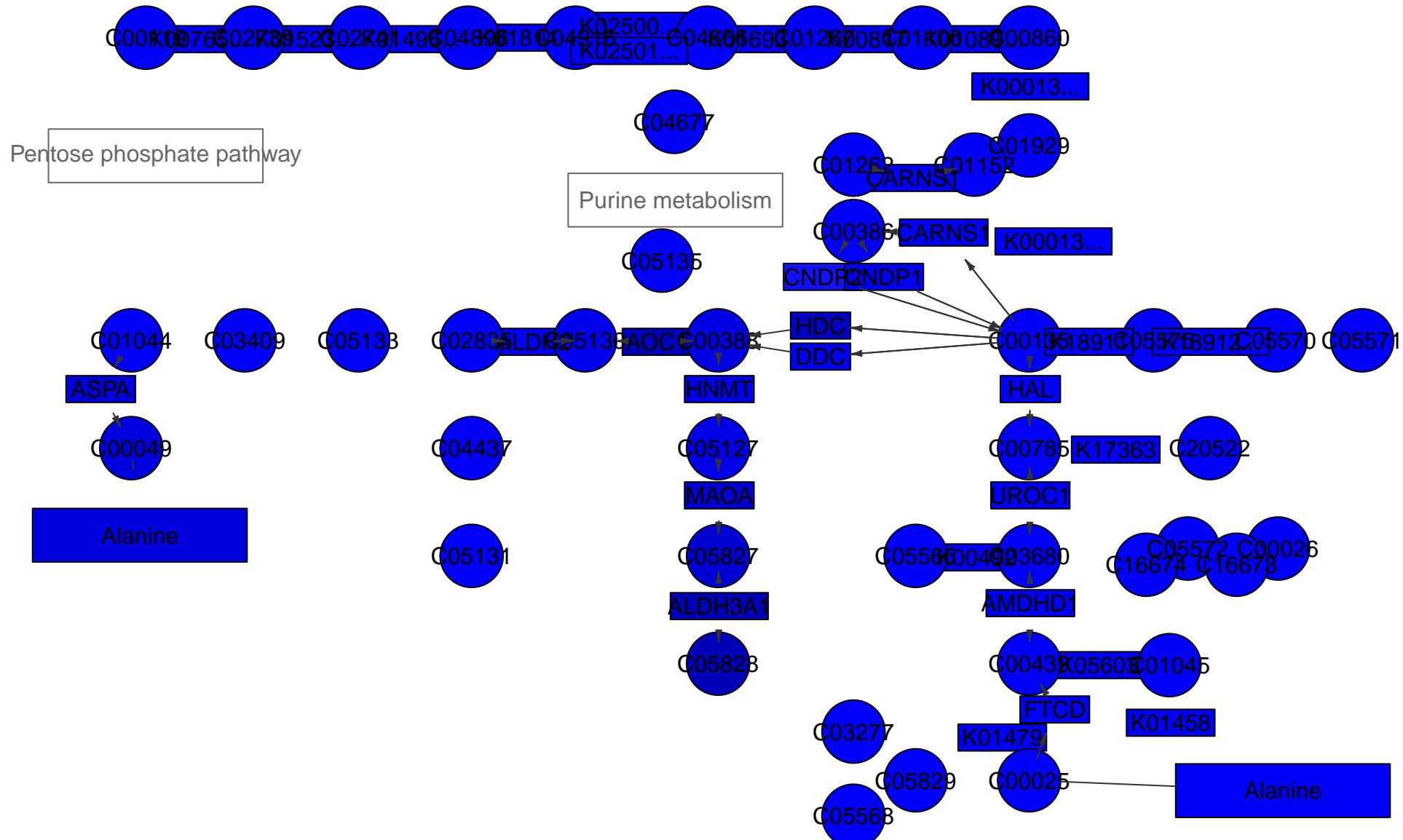
Histidine metabolism  
MPI-133



Histidine metabolism  
MPI-134

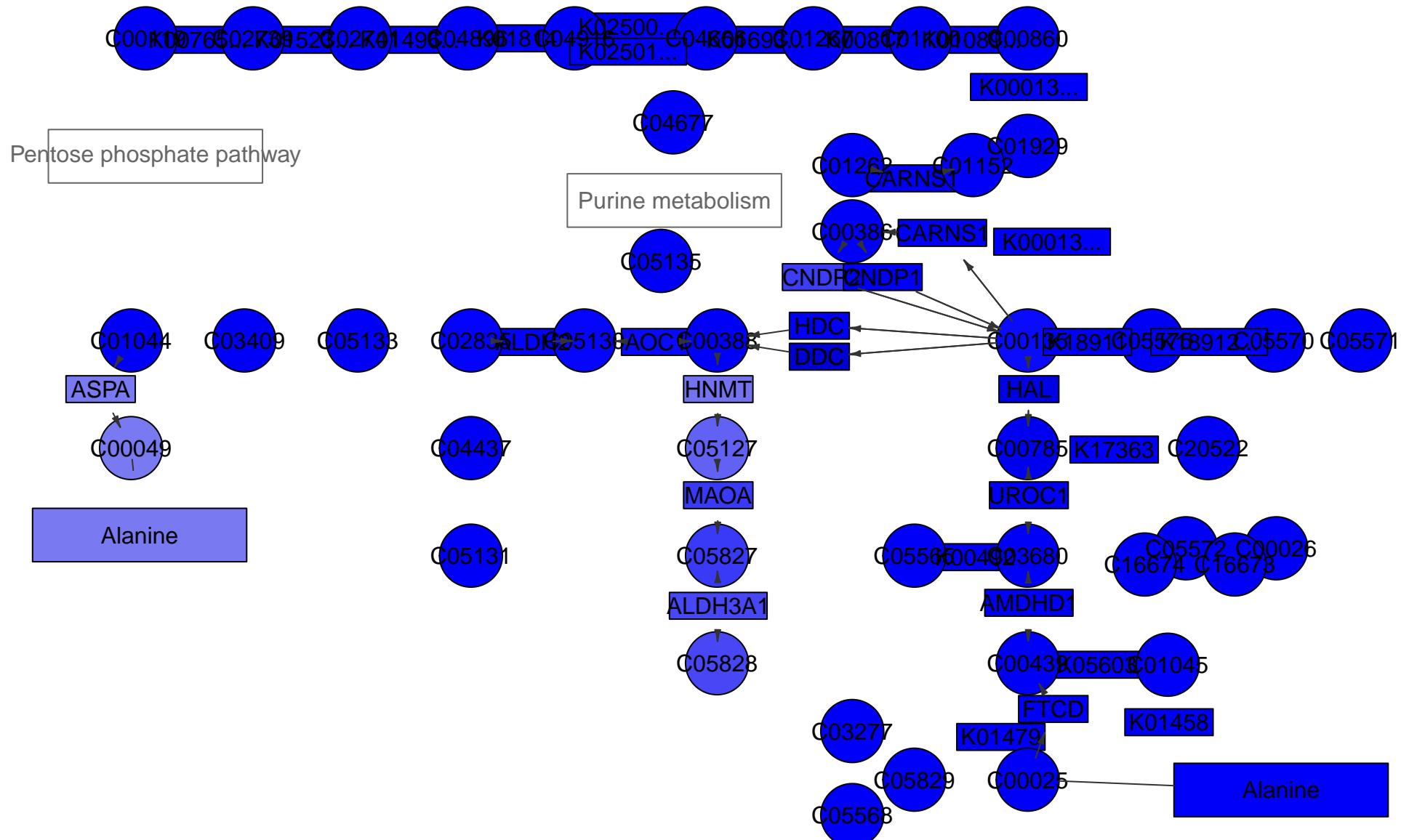


Histidine metabolism  
MPI-135

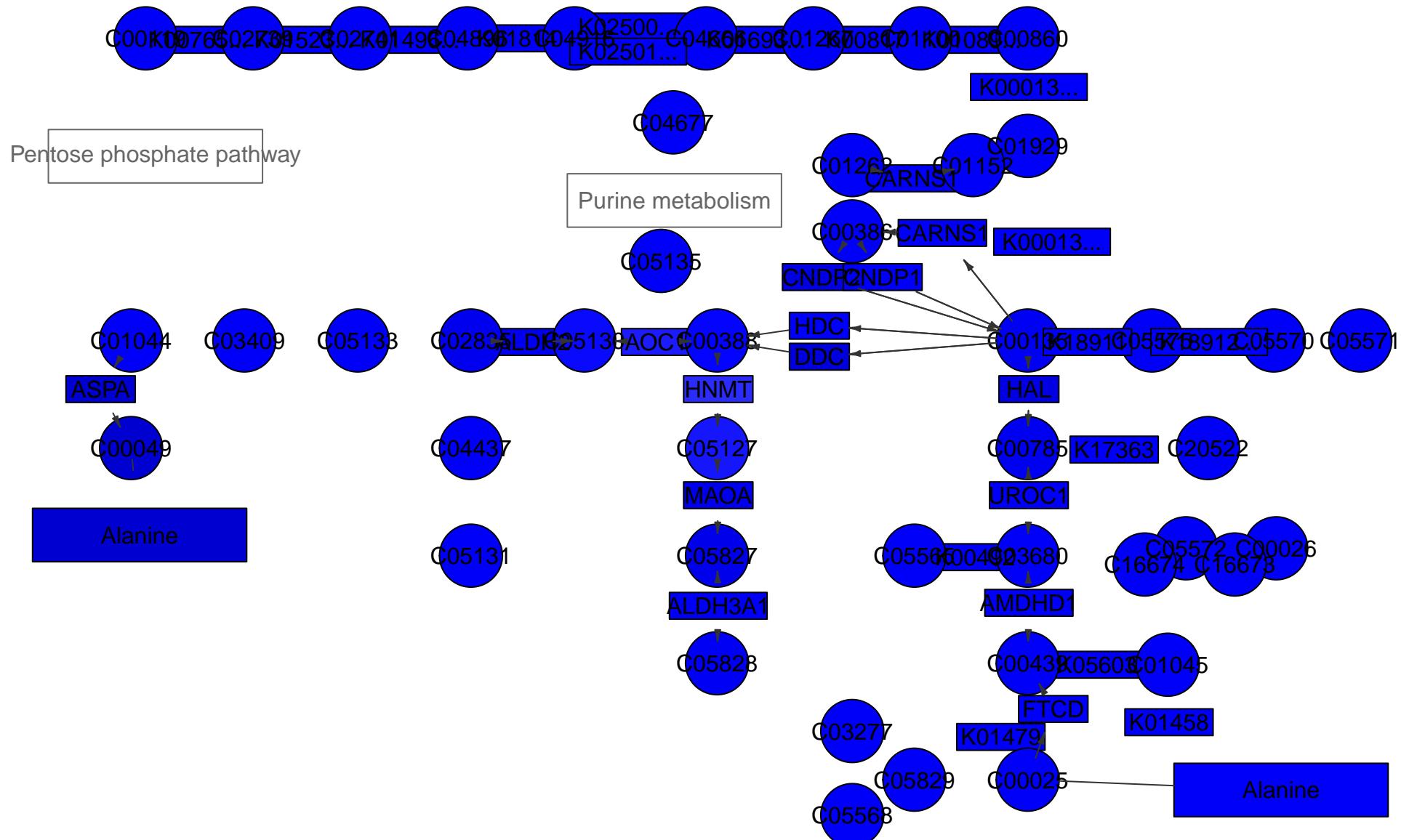


# Histidine metabolism

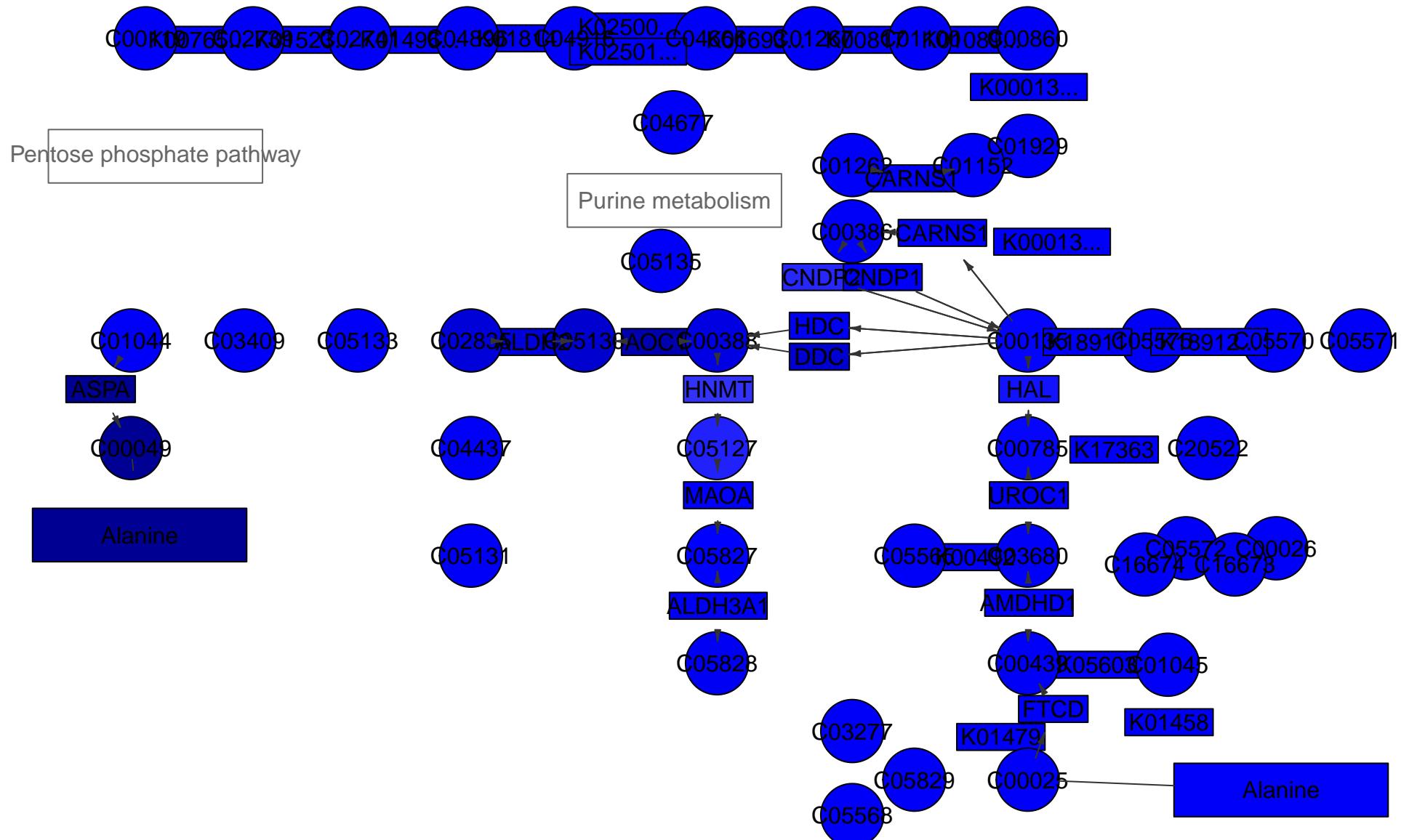
## MPI-136



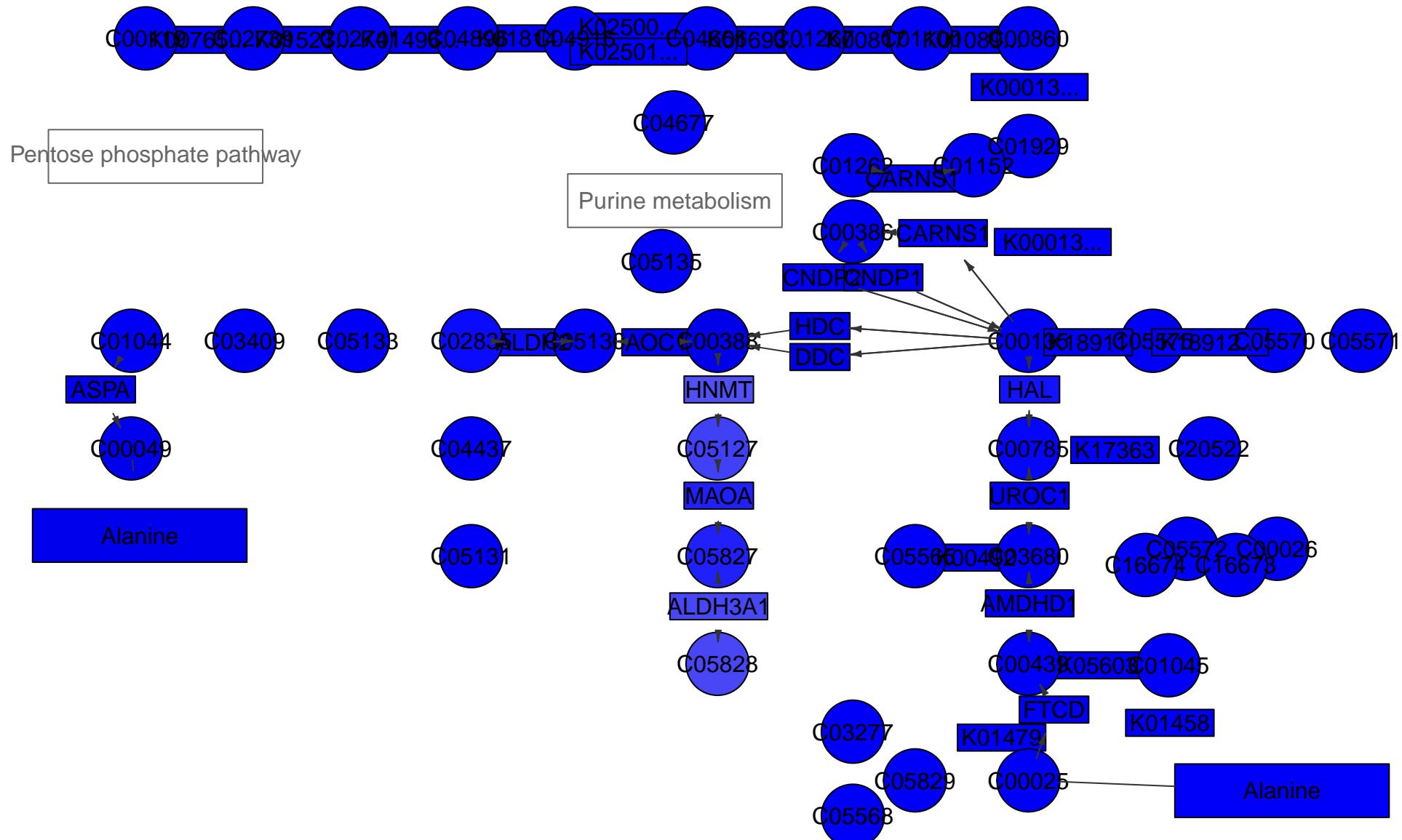
Histidine metabolism  
MPI-141



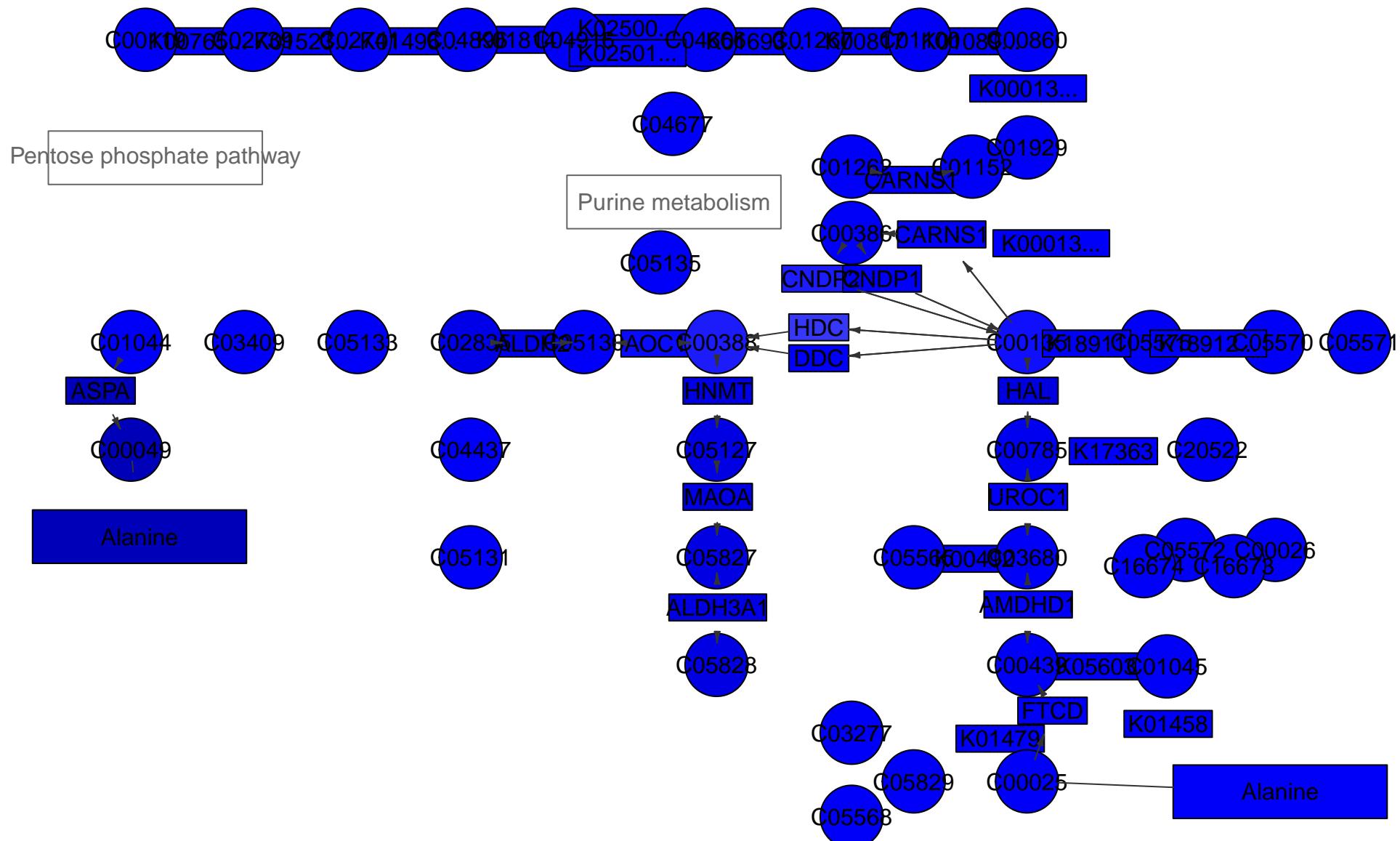
Histidine metabolism  
MPI-142



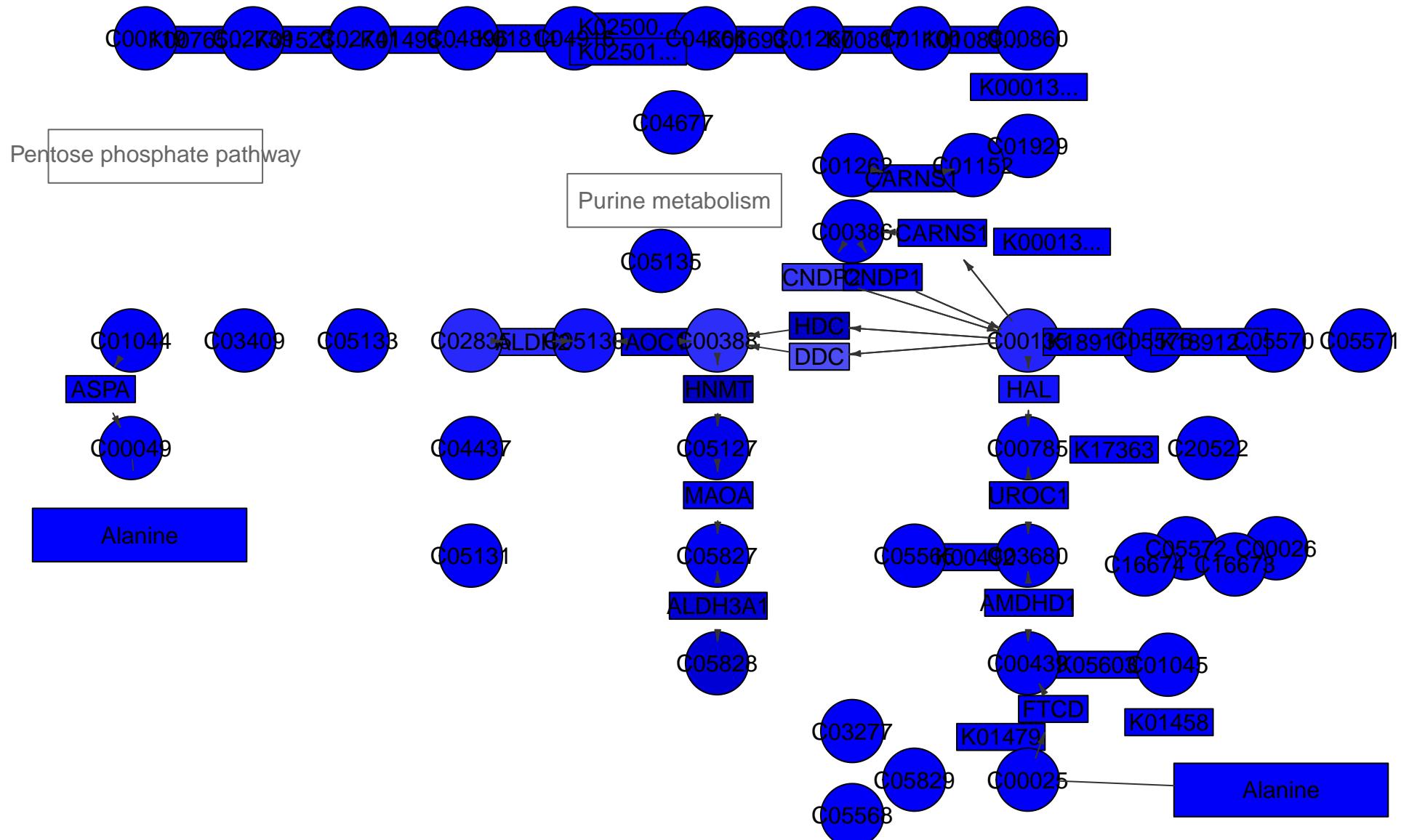
Histidine metabolism  
MPI-145



Histidine metabolism  
MPI-146

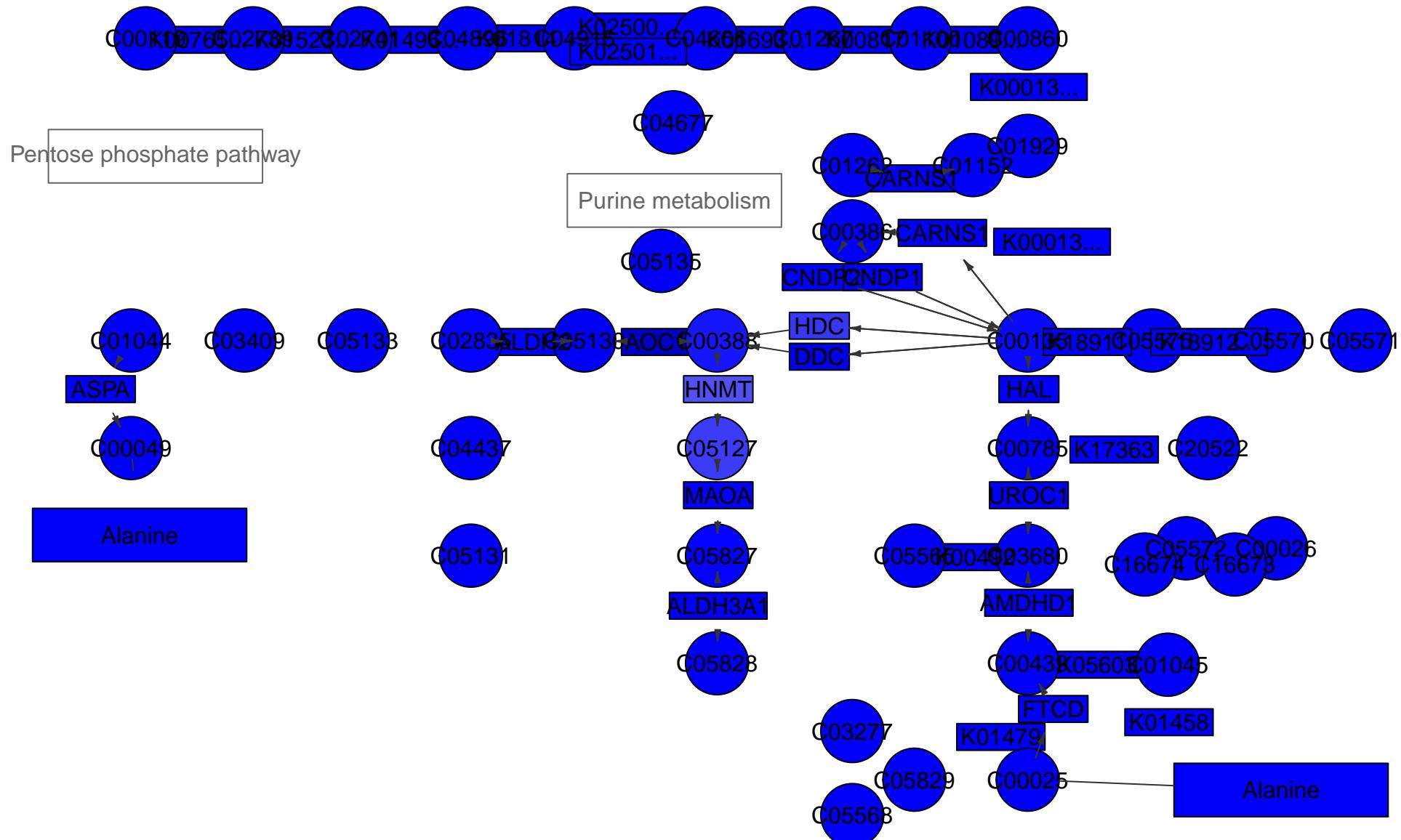


Histidine metabolism  
MPI-149

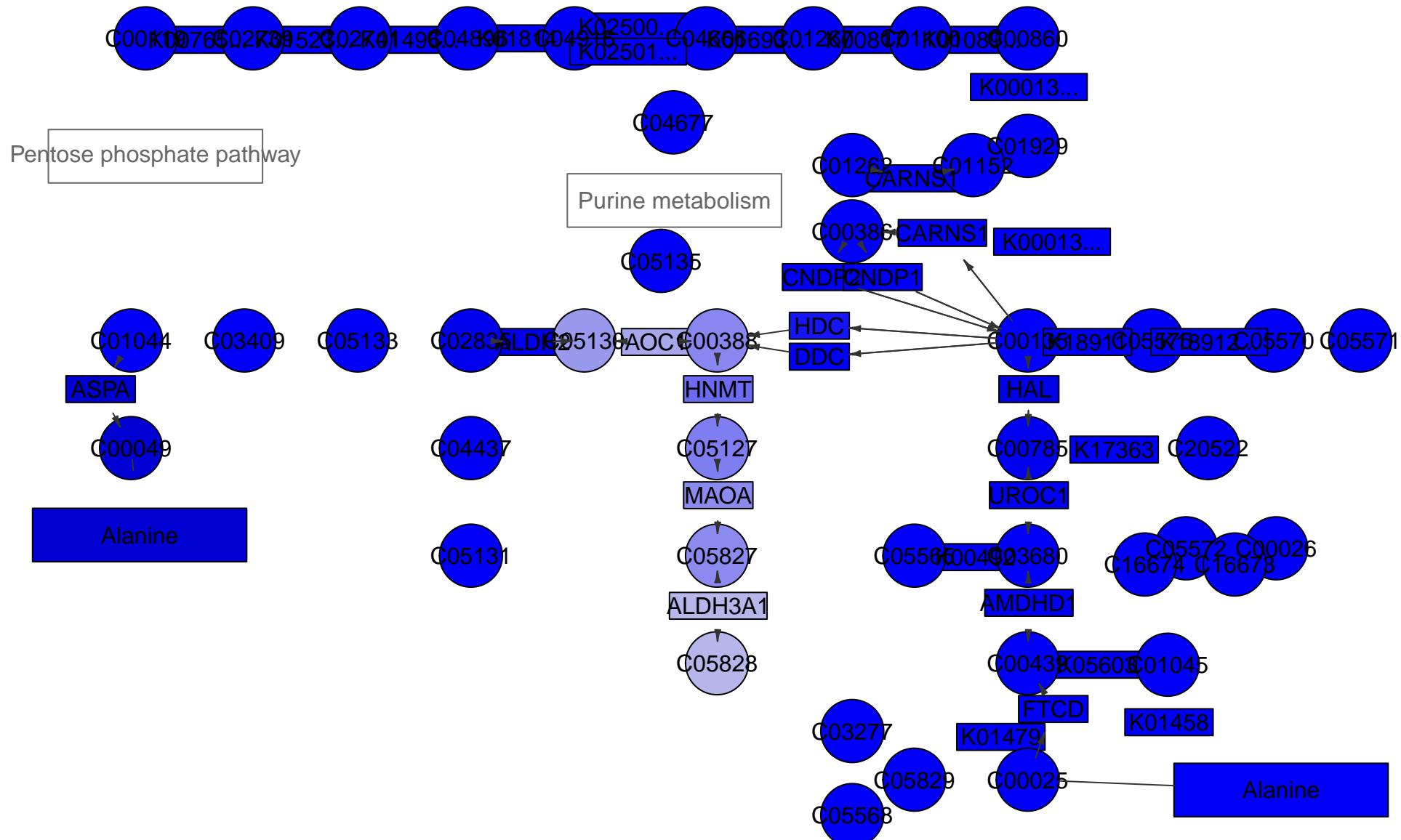


# Histidine metabolism

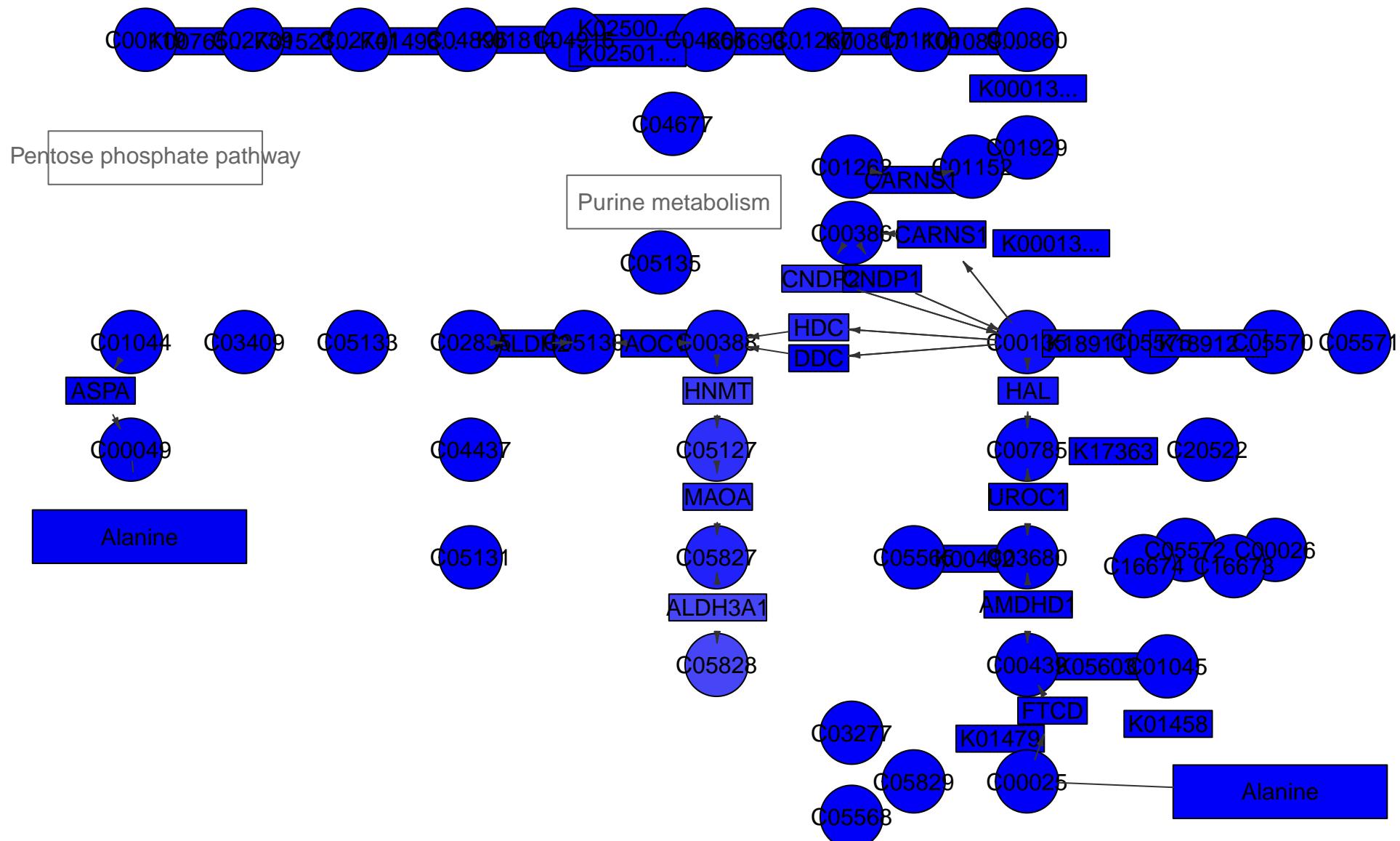
## MPI-150



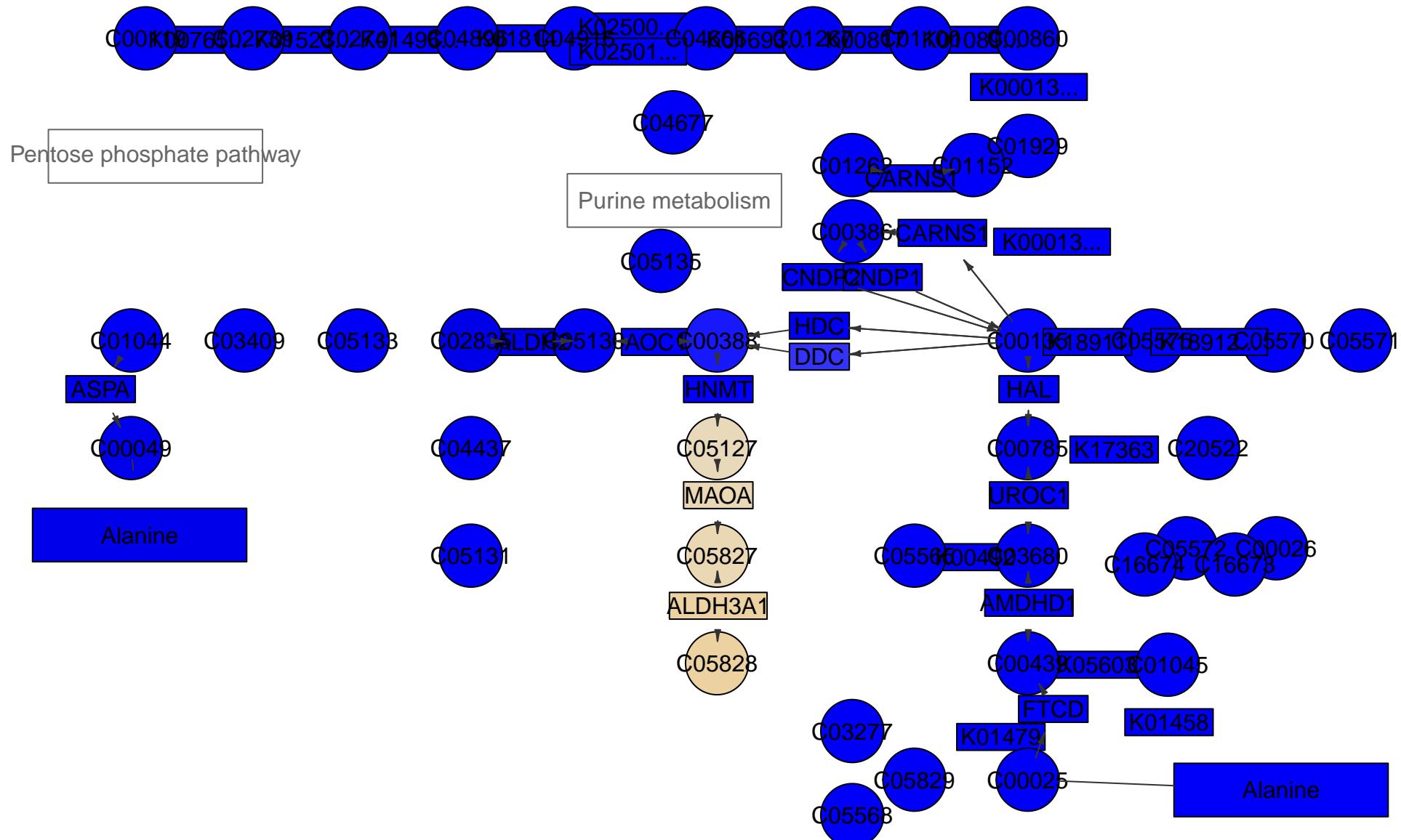
Histidine metabolism  
MPI-151



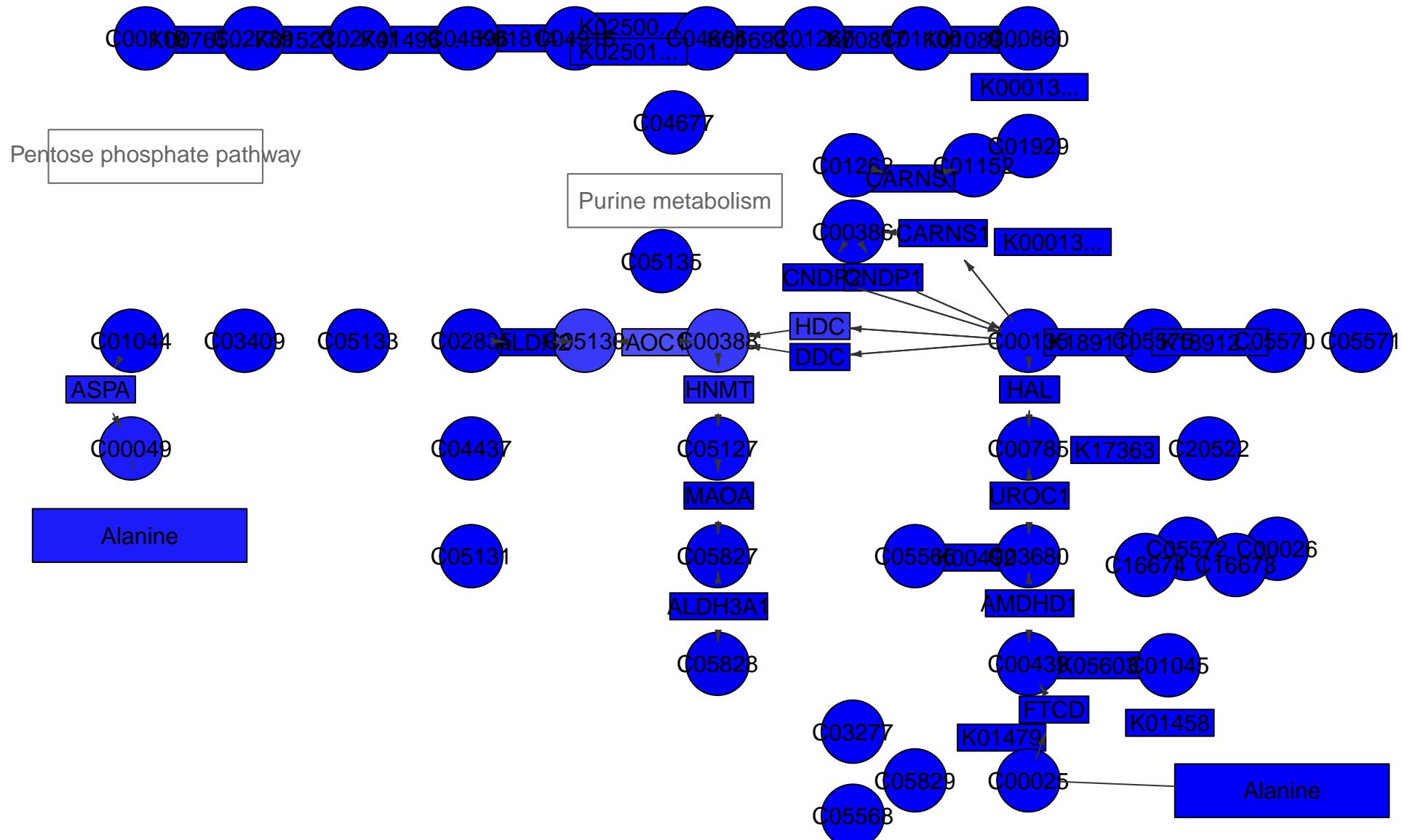
Histidine metabolism  
MPI-152



Histidine metabolism  
MPI-153

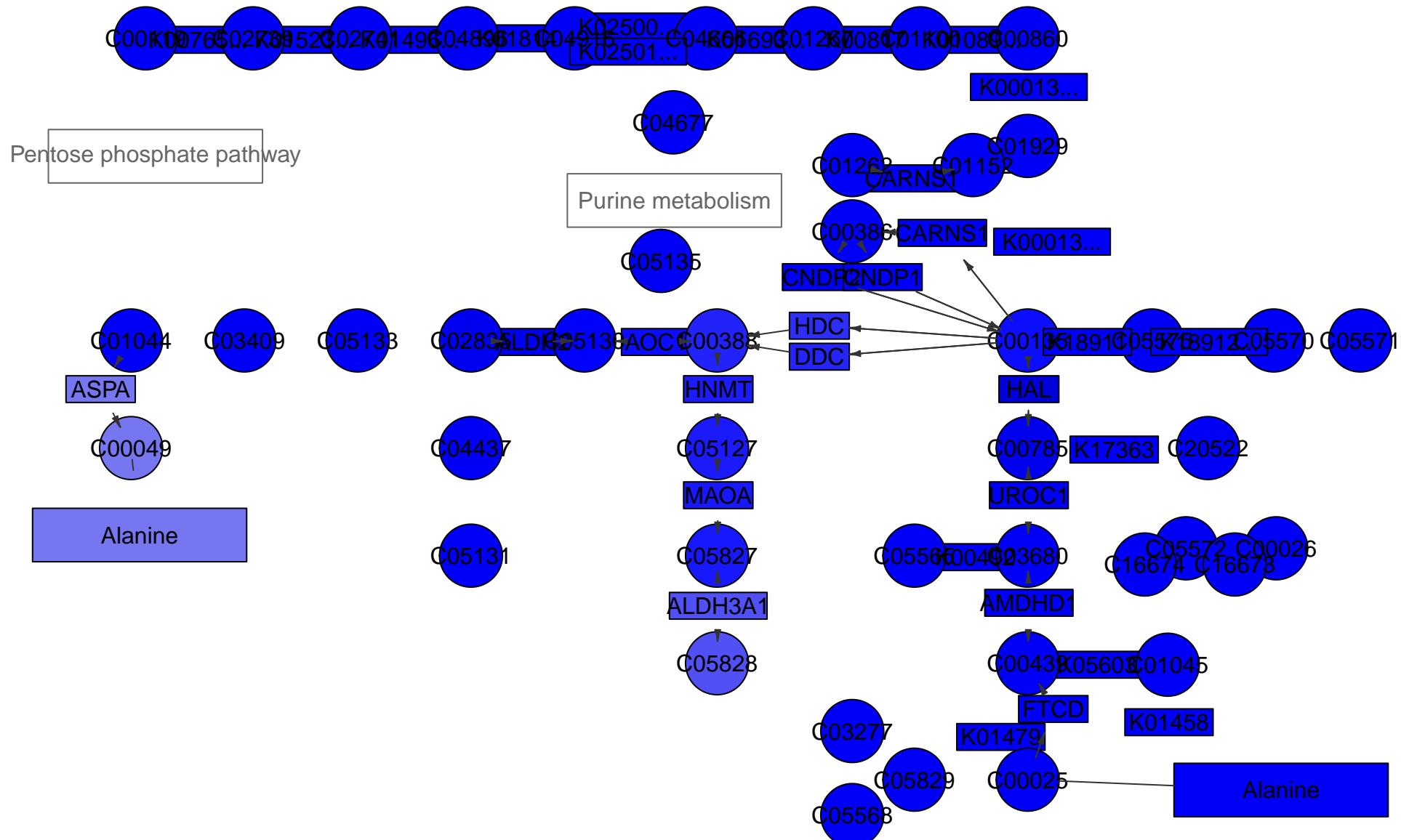


Histidine metabolism  
MPI-154

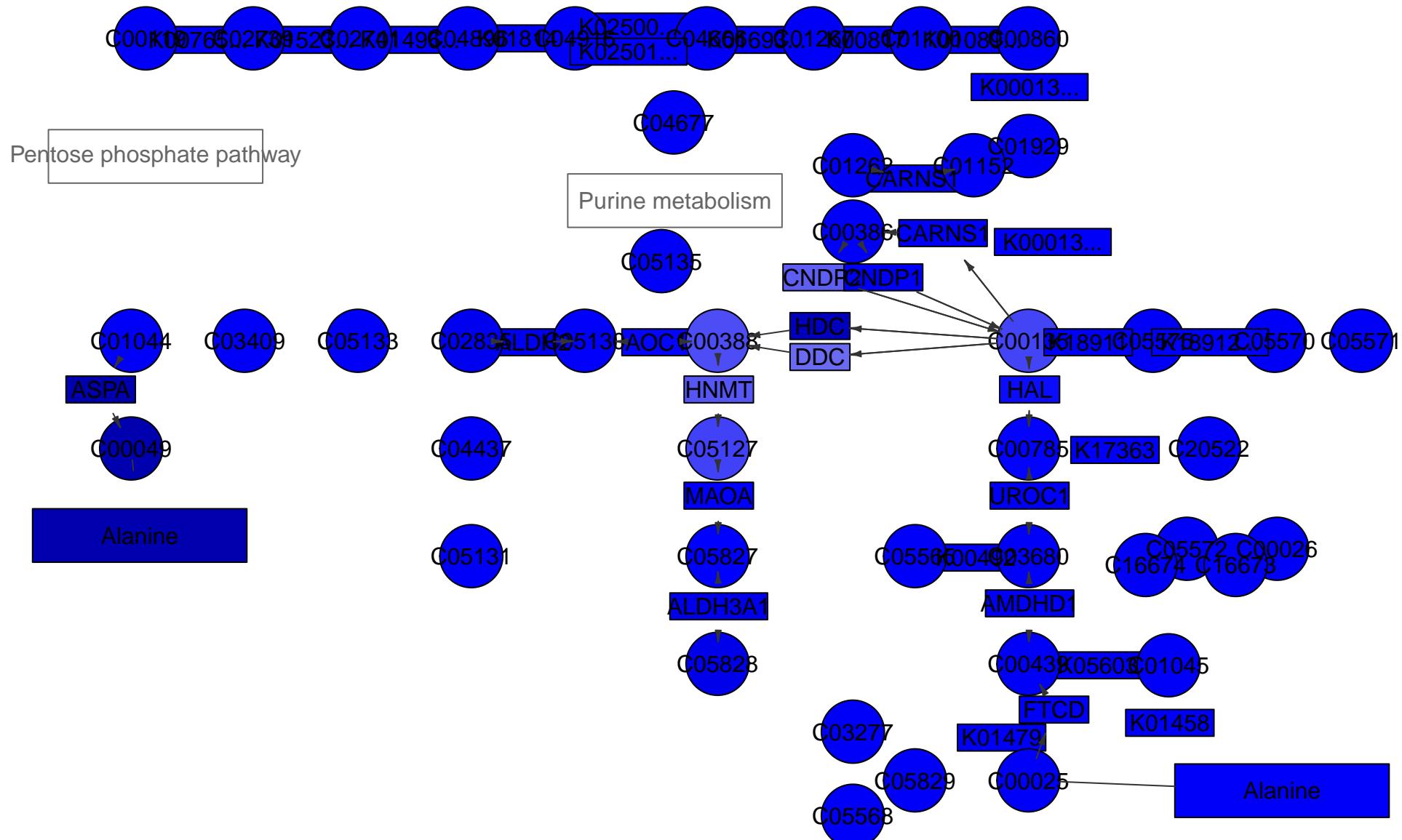


# Histidine metabolism

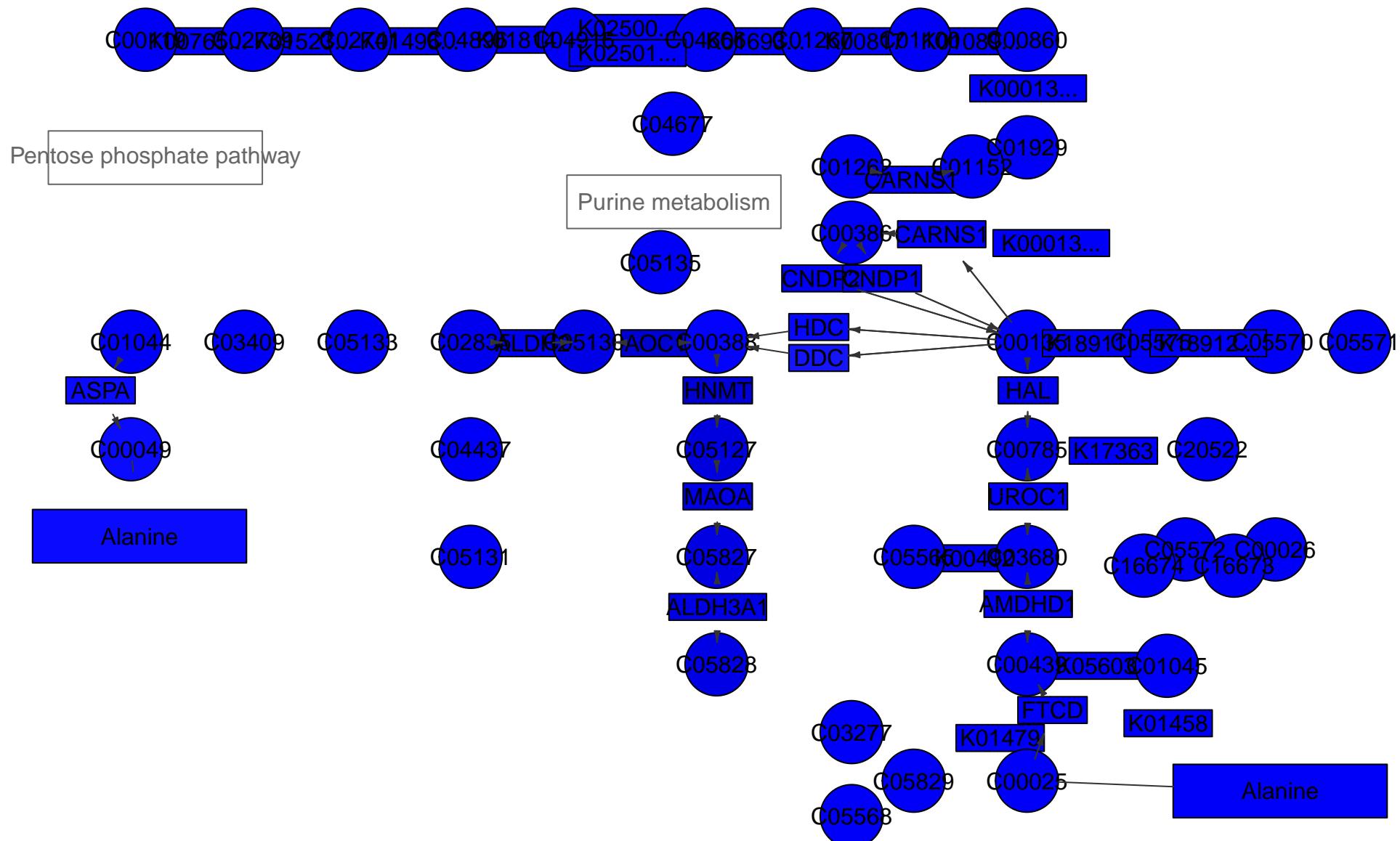
## MPI-155



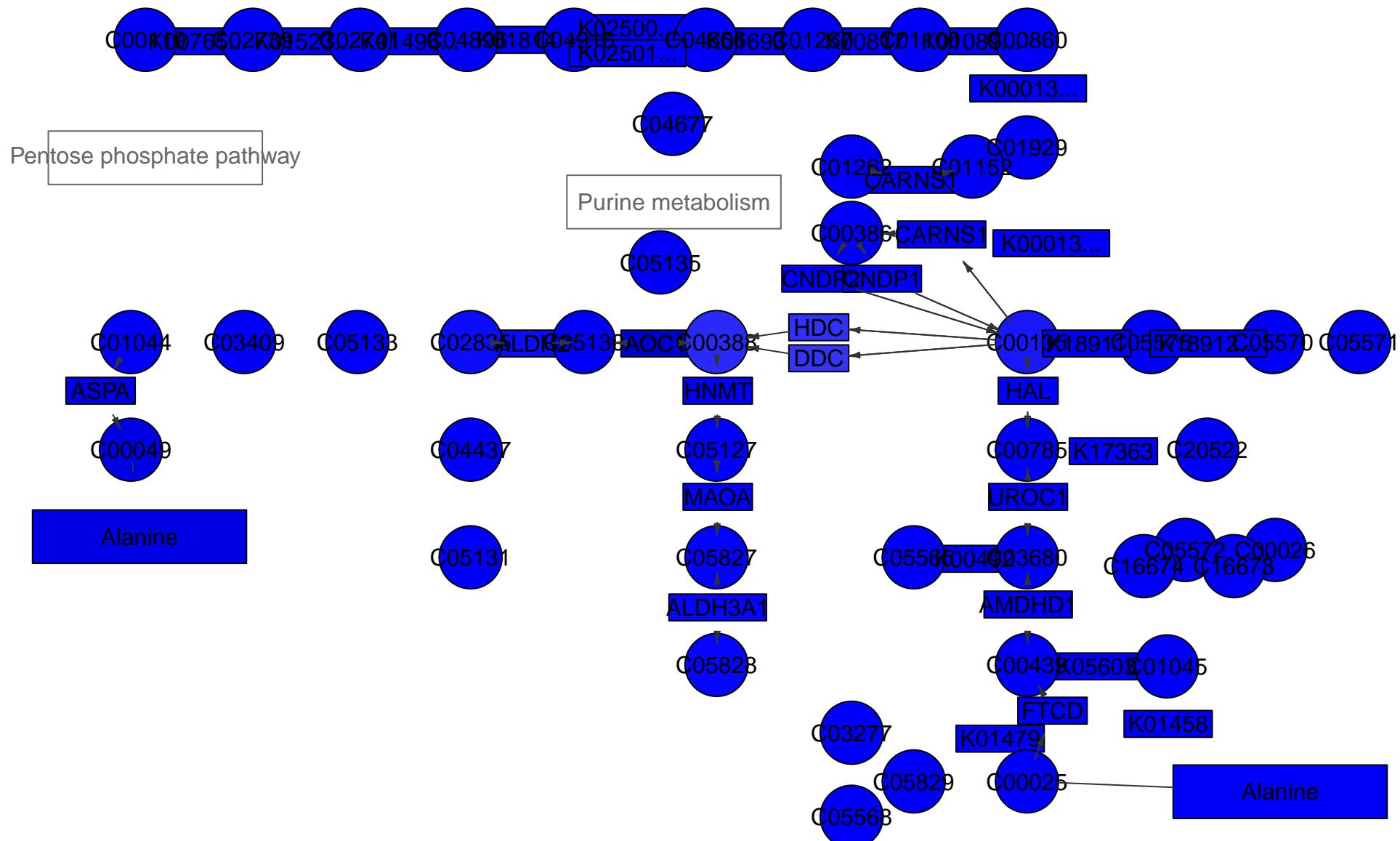
Histidine metabolism  
MPI-159



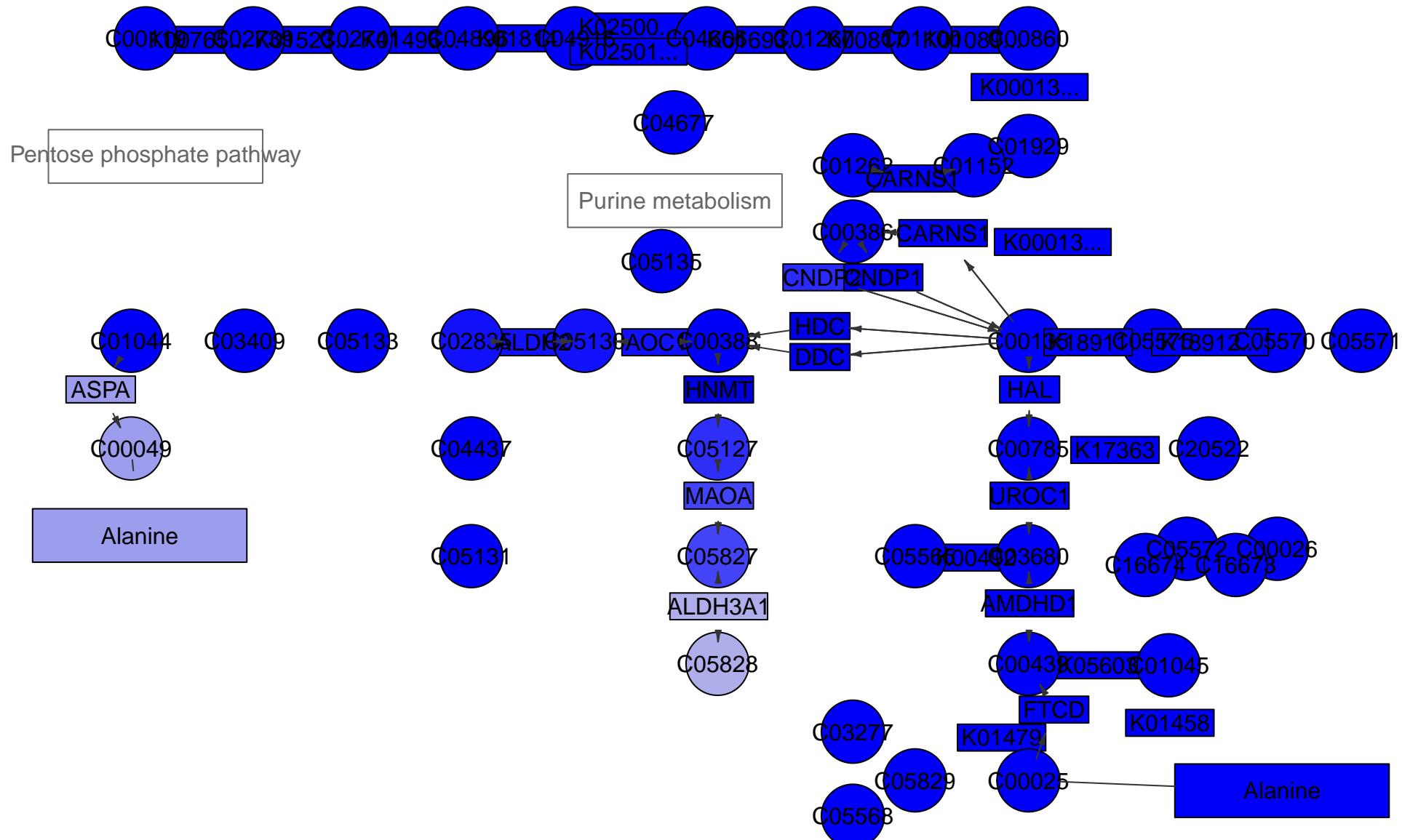
Histidine metabolism  
MPI-163



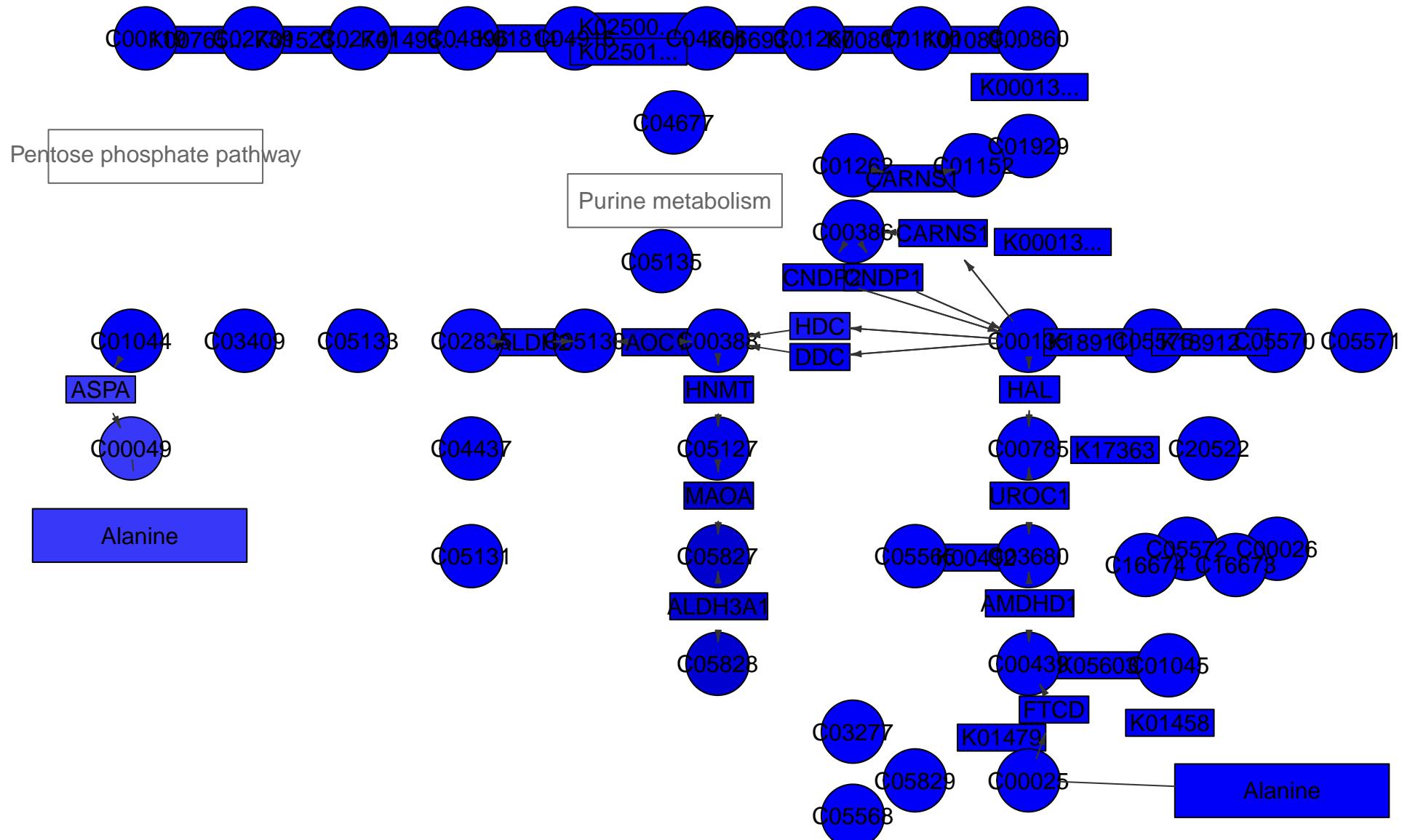
Histidine metabolism  
MPI-164



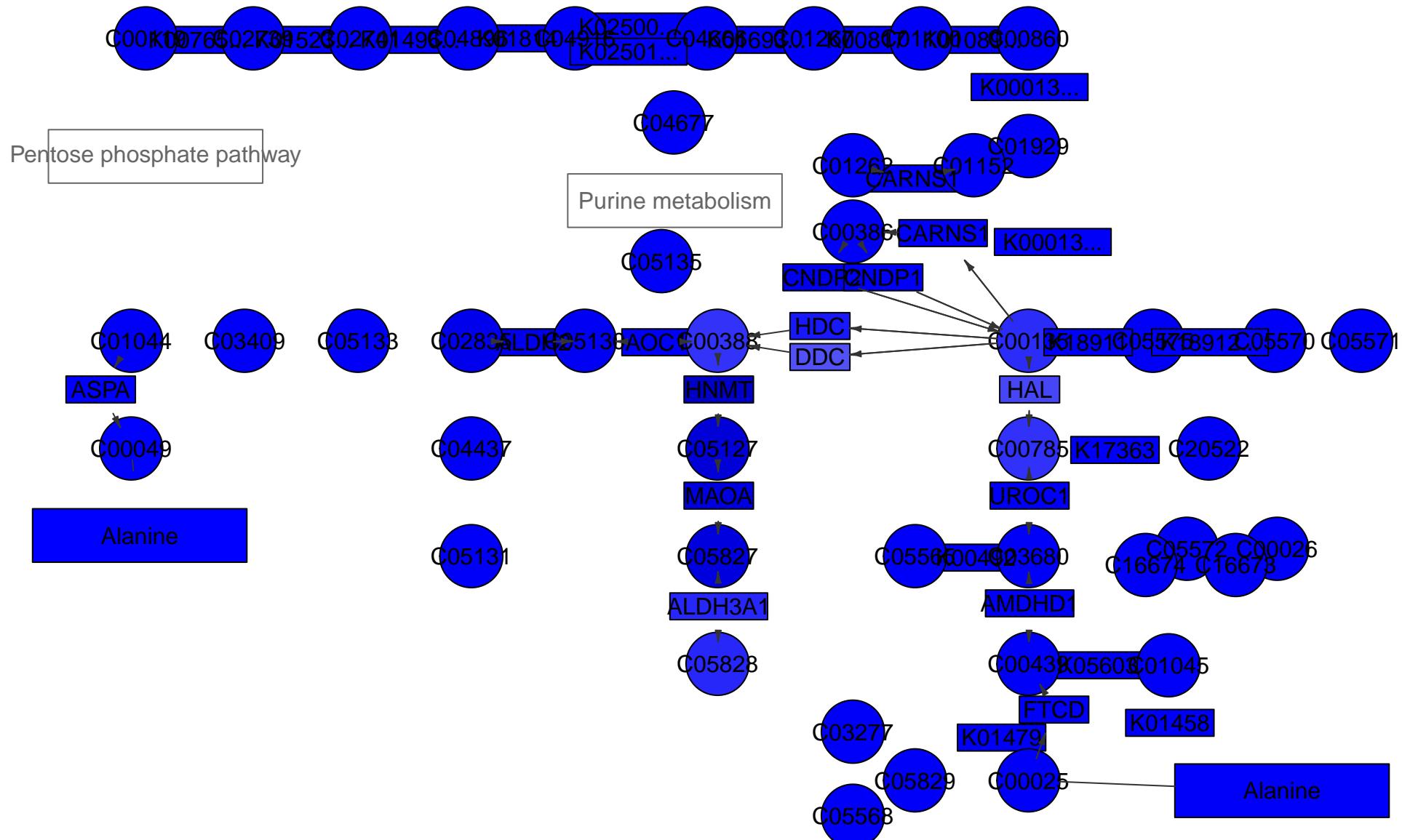
Histidine metabolism  
MPI-166



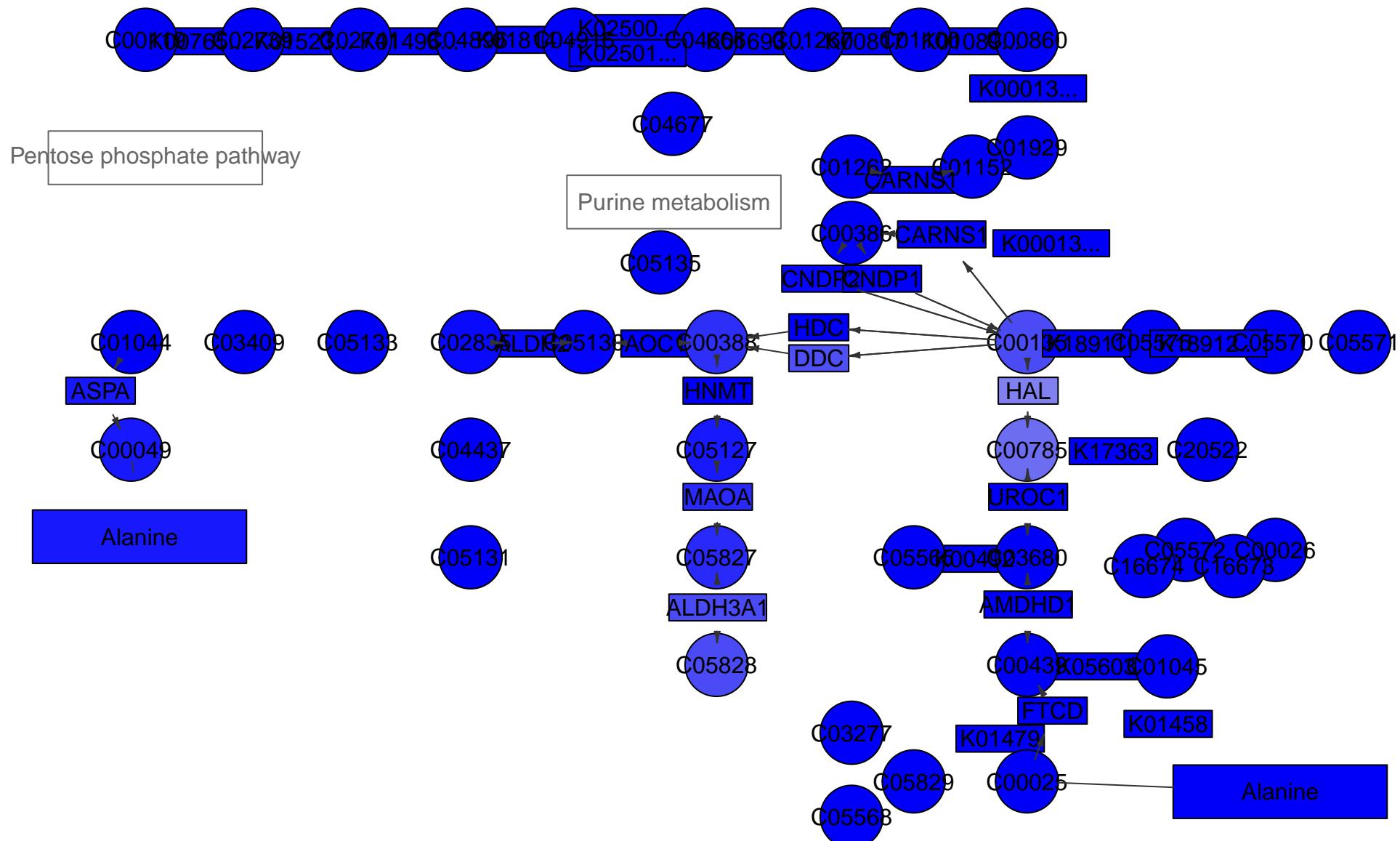
Histidine metabolism  
MPI-167



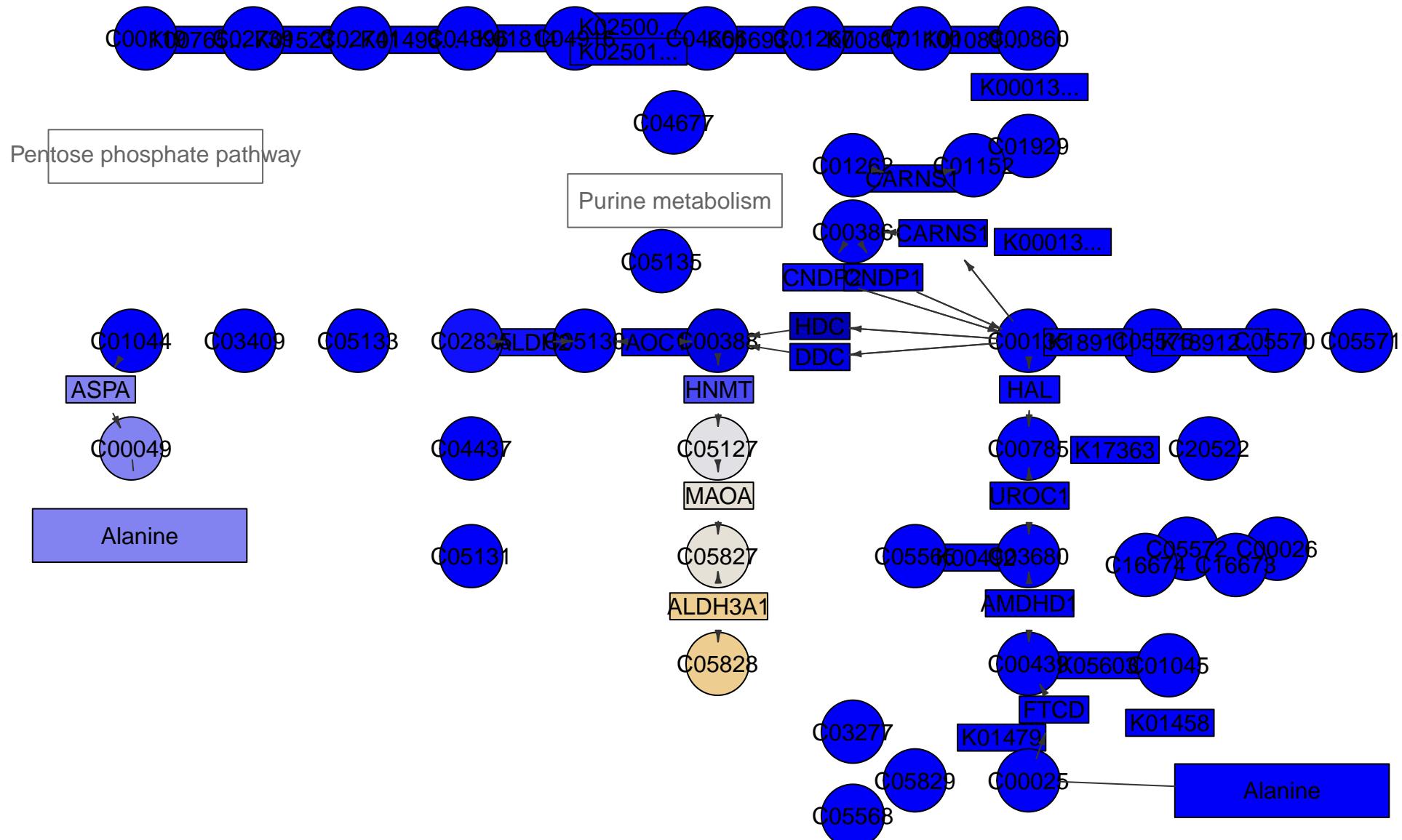
Histidine metabolism  
MPI-168



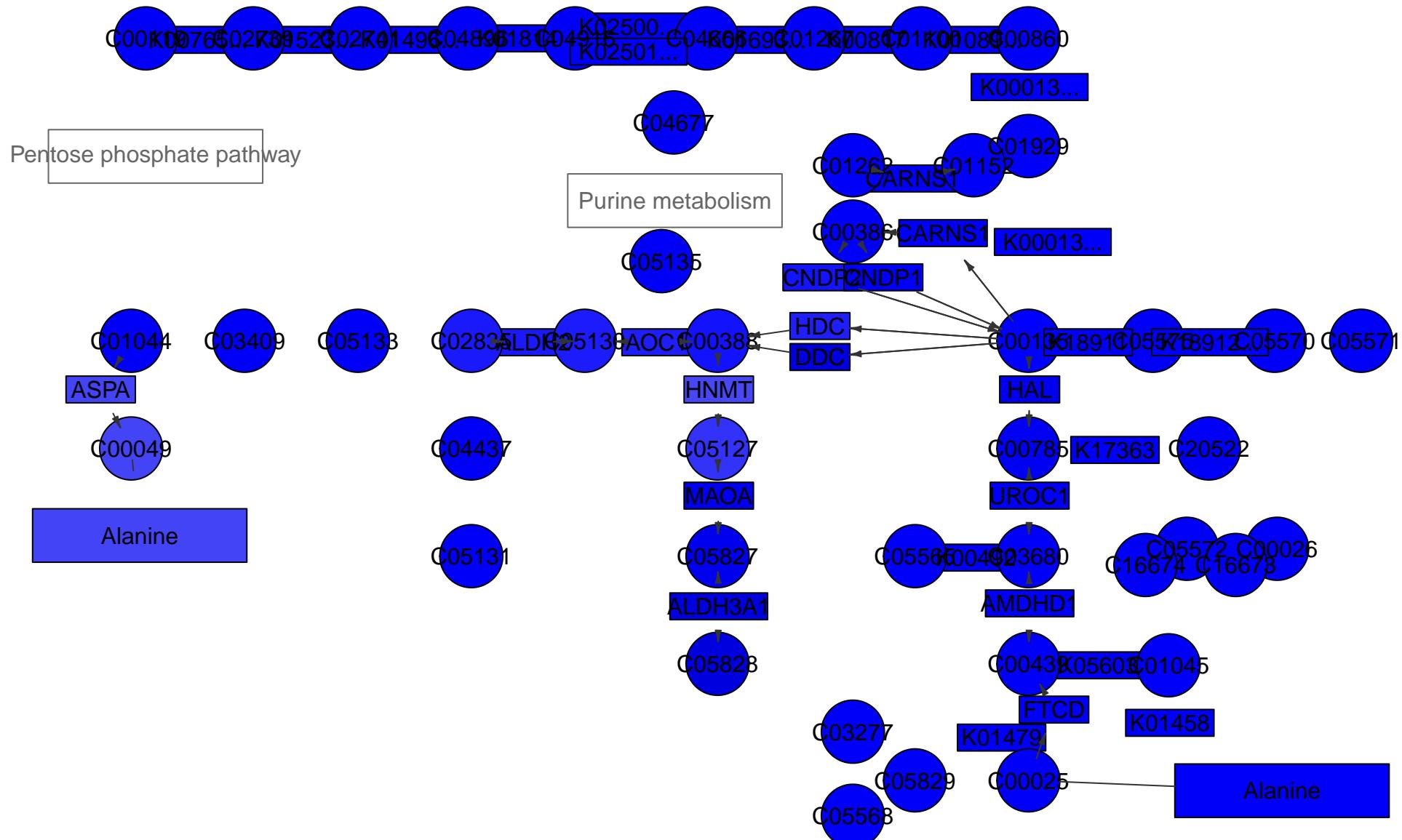
Histidine metabolism  
MPI-170



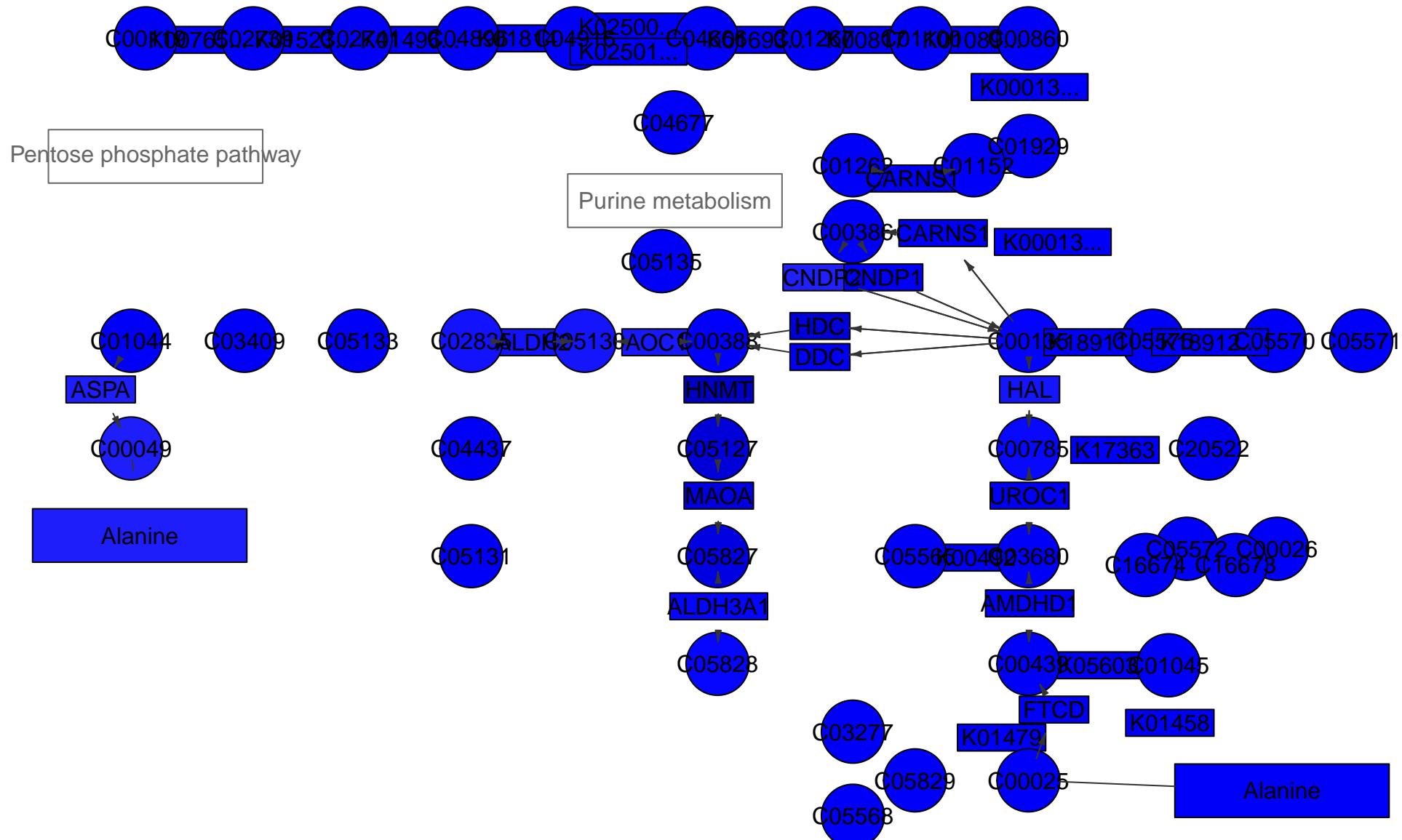
Histidine metabolism  
MPI-173



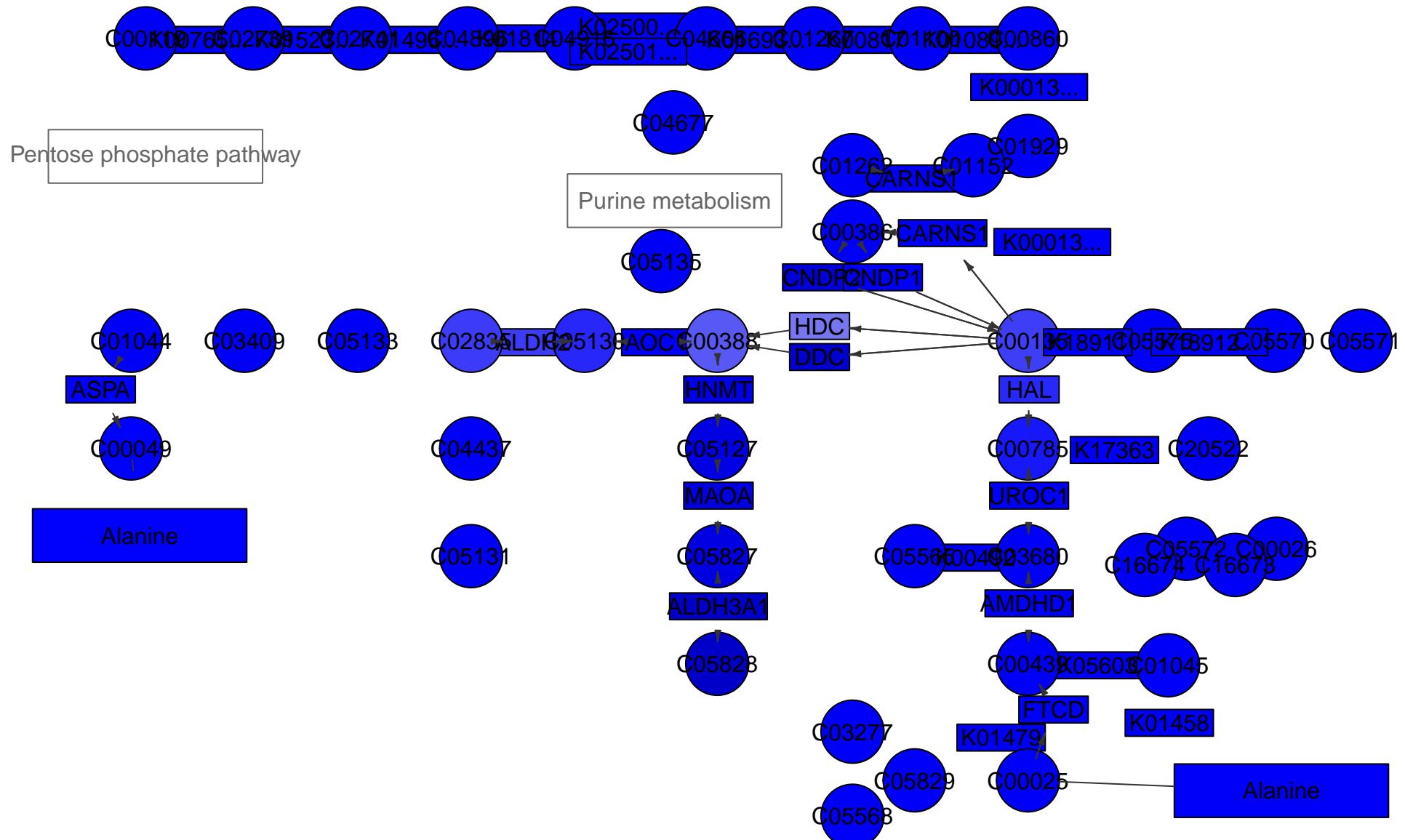
Histidine metabolism  
MPI-174



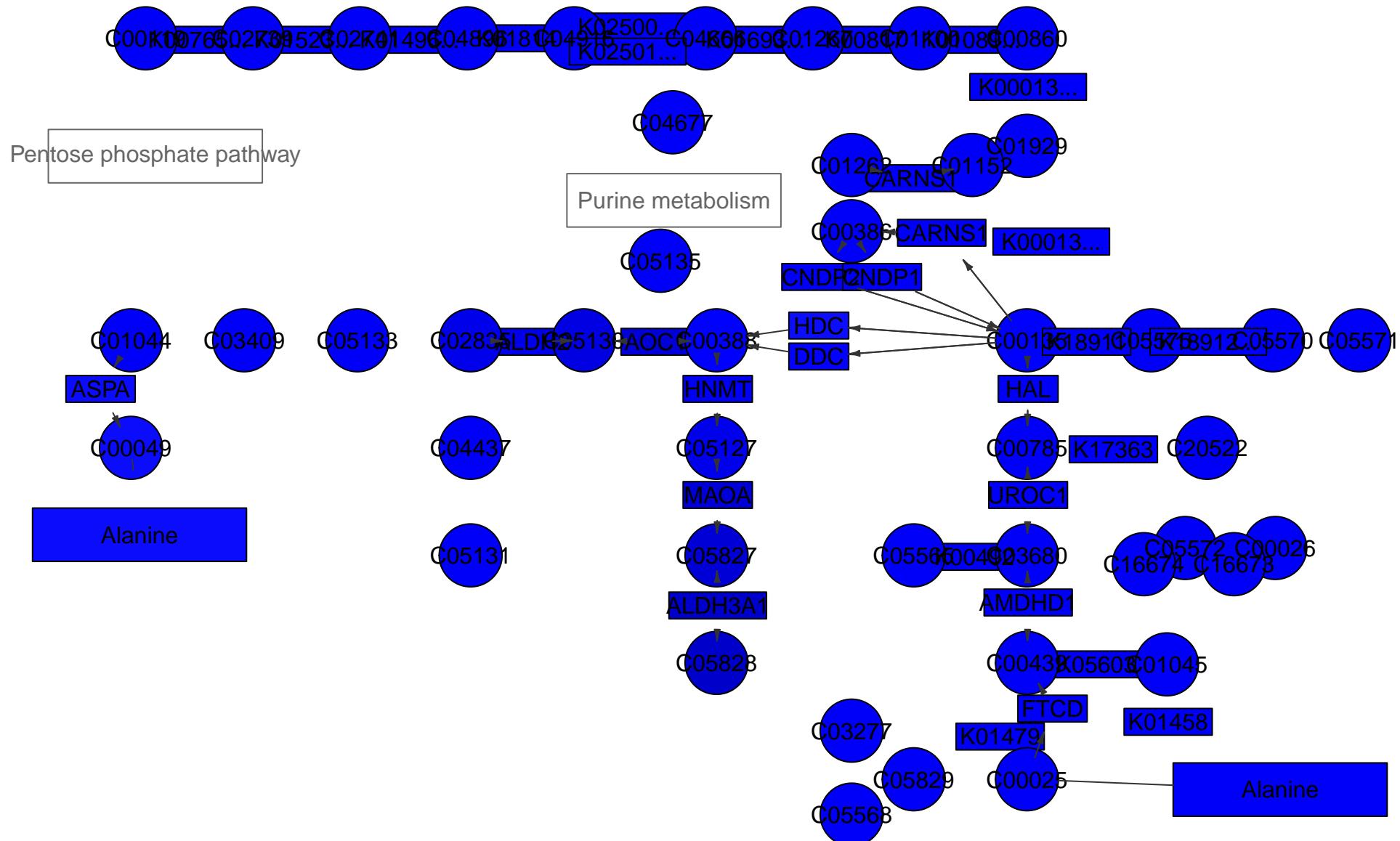
Histidine metabolism  
MPI-176



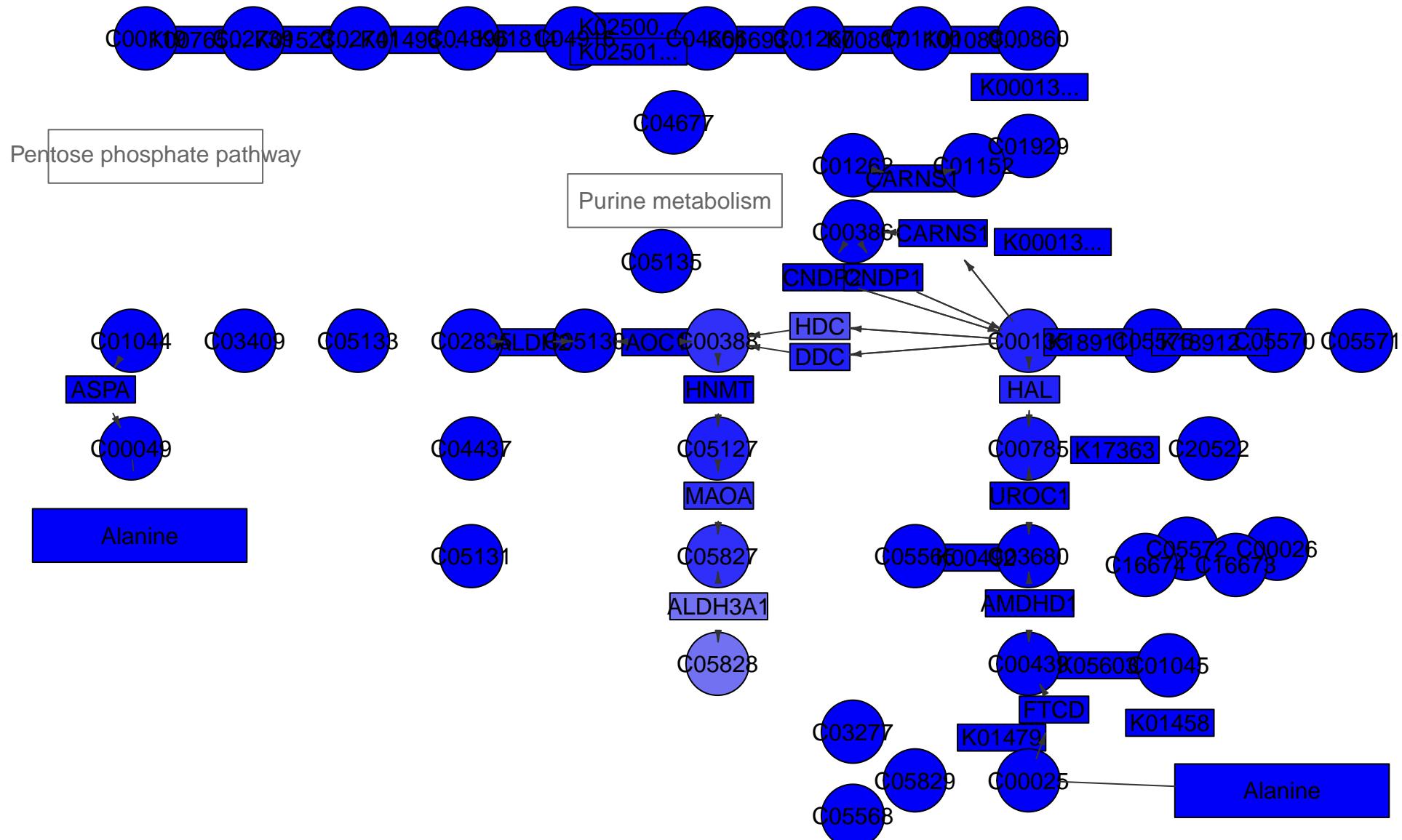
Histidine metabolism  
MPI-177



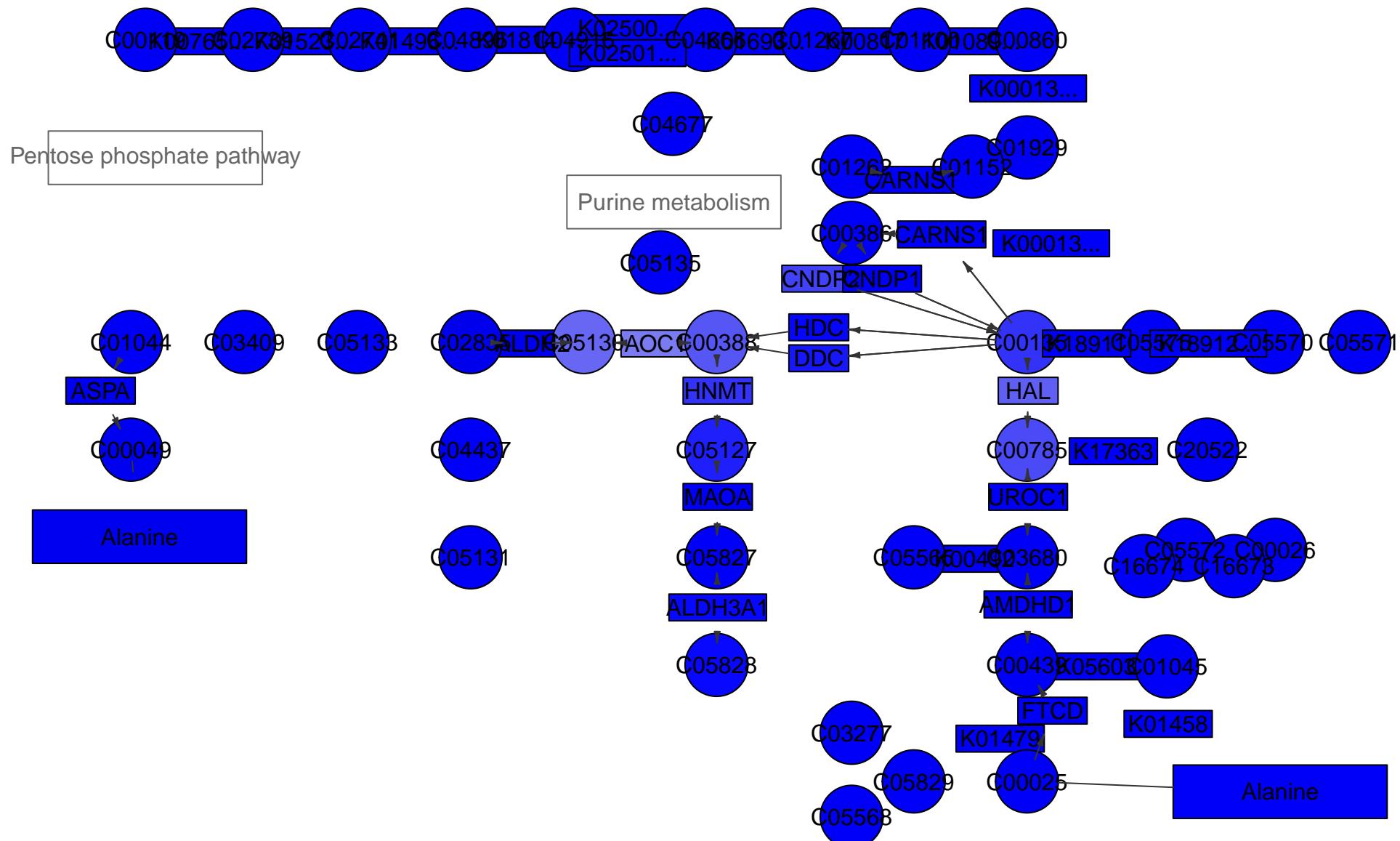
## Histidine metabolism MPI-178



Histidine metabolism  
MPI-179

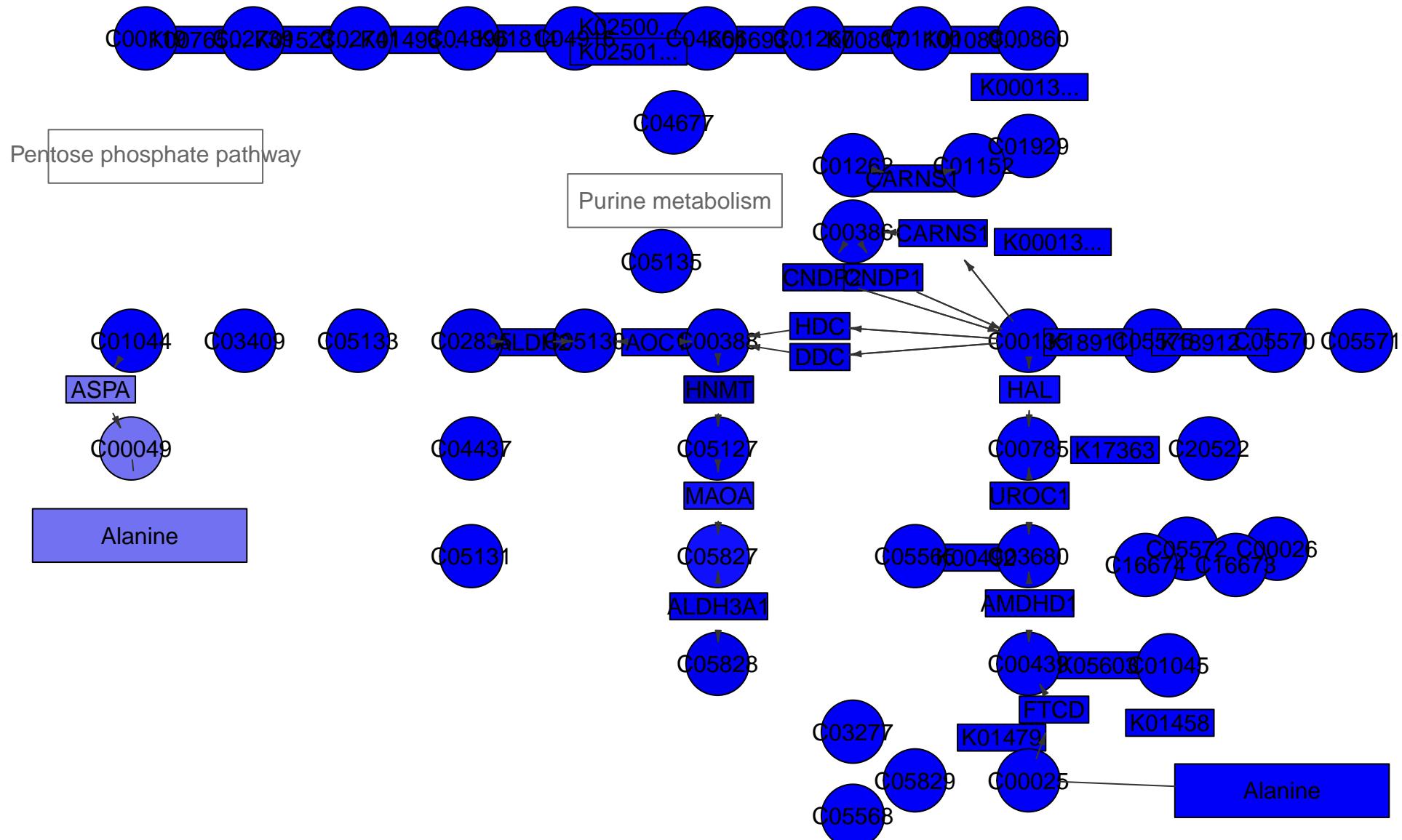


Histidine metabolism  
MPI-180



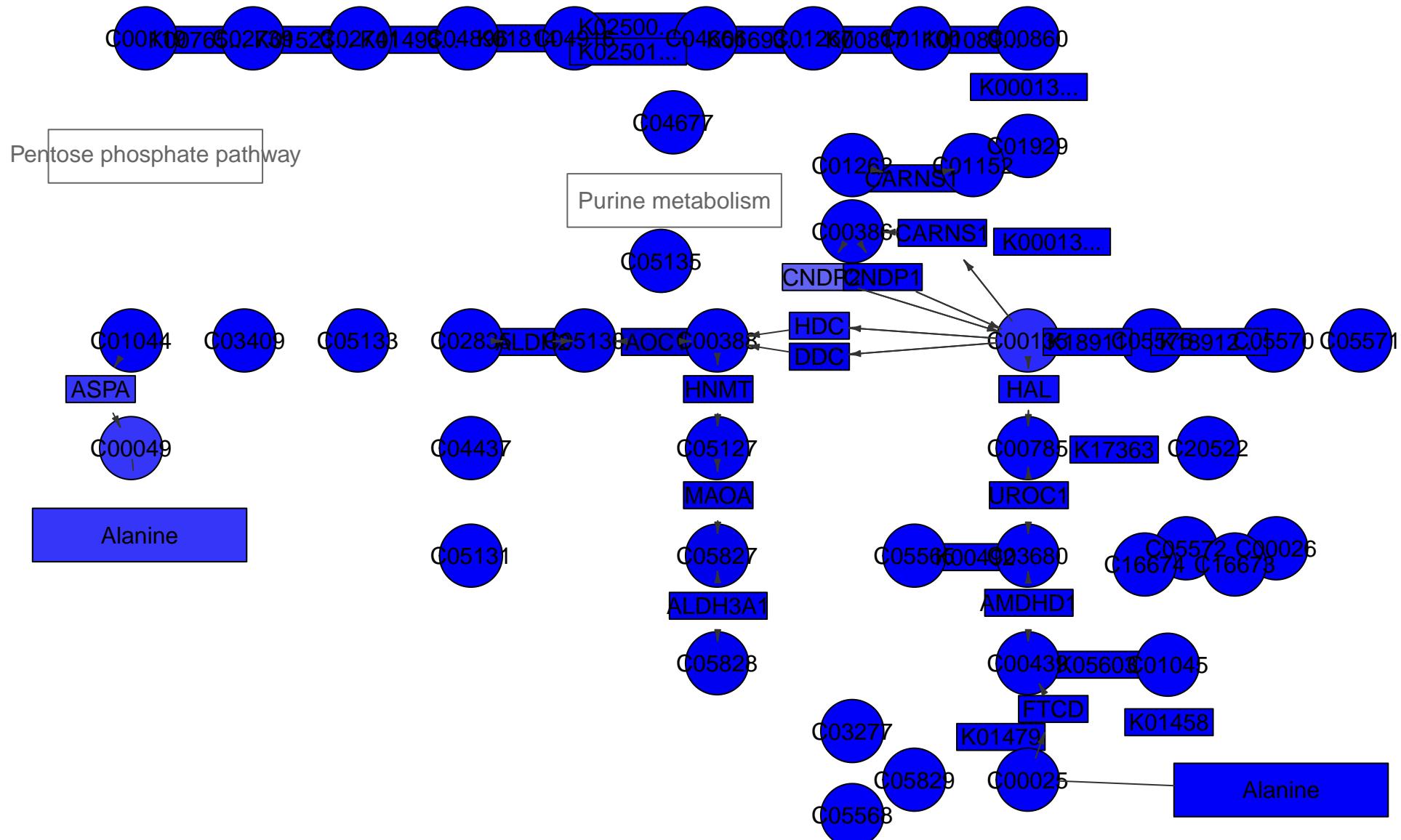
# Histidine metabolism

## MPI-182



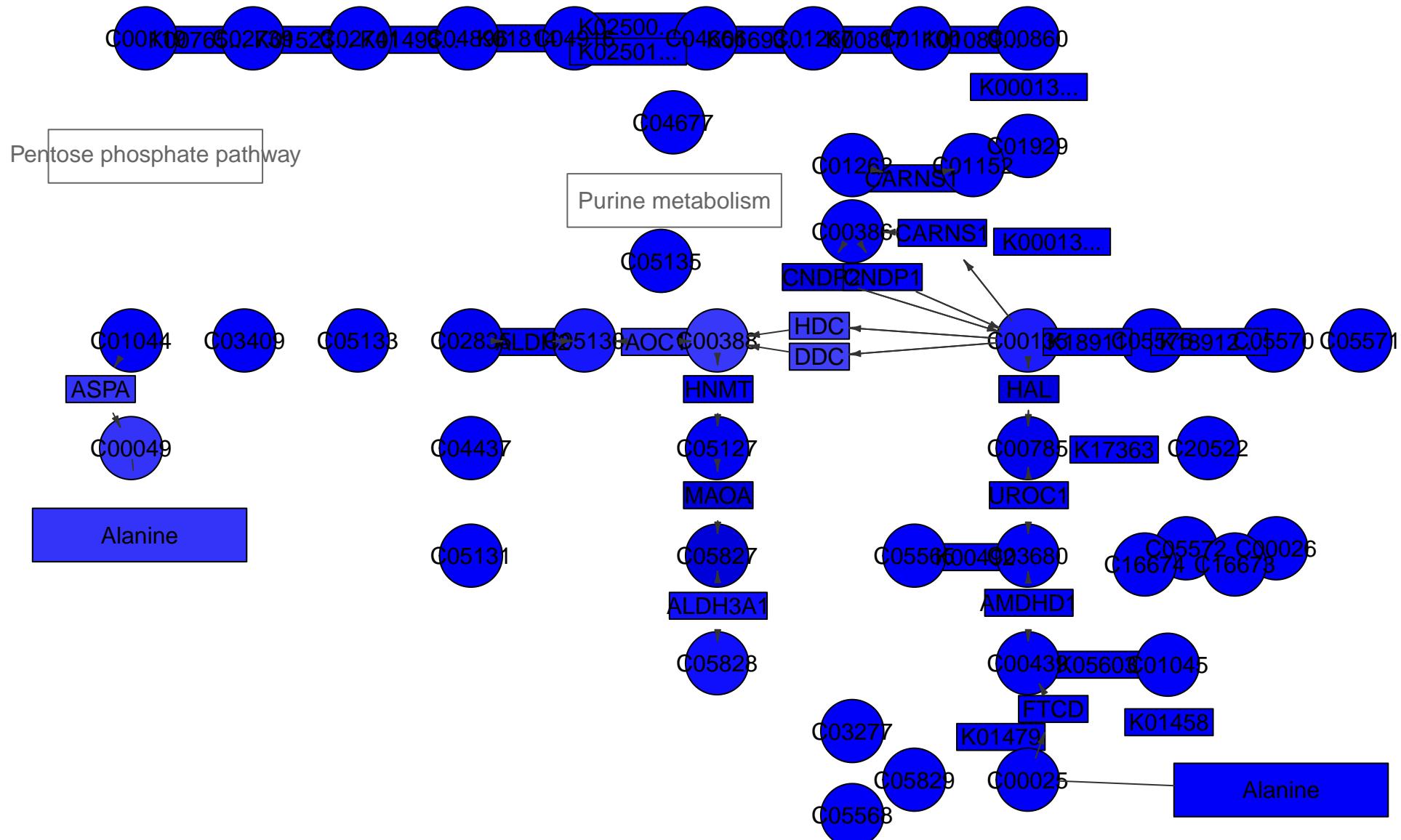
# Histidine metabolism

## MPI-183

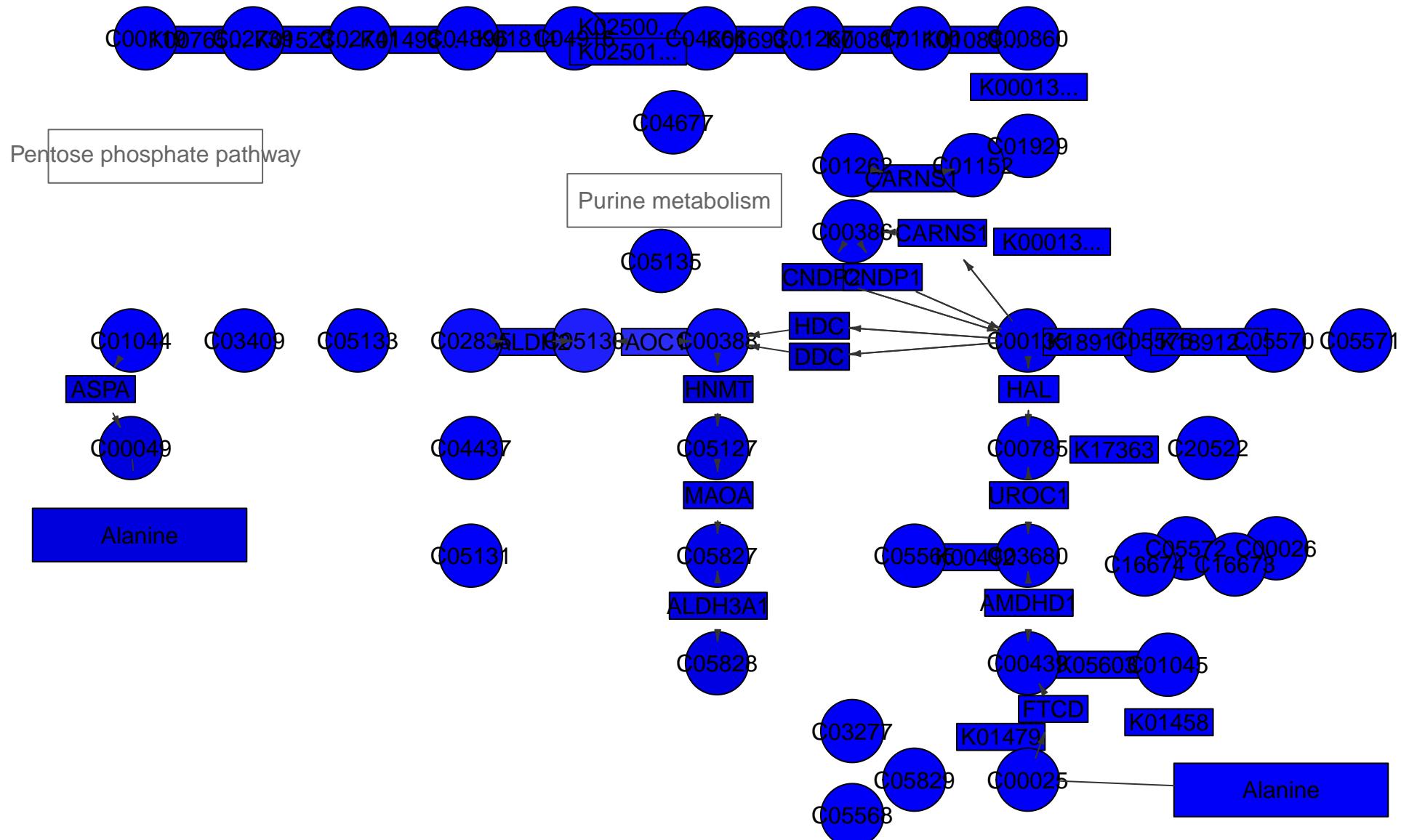


## Histidine metabolism

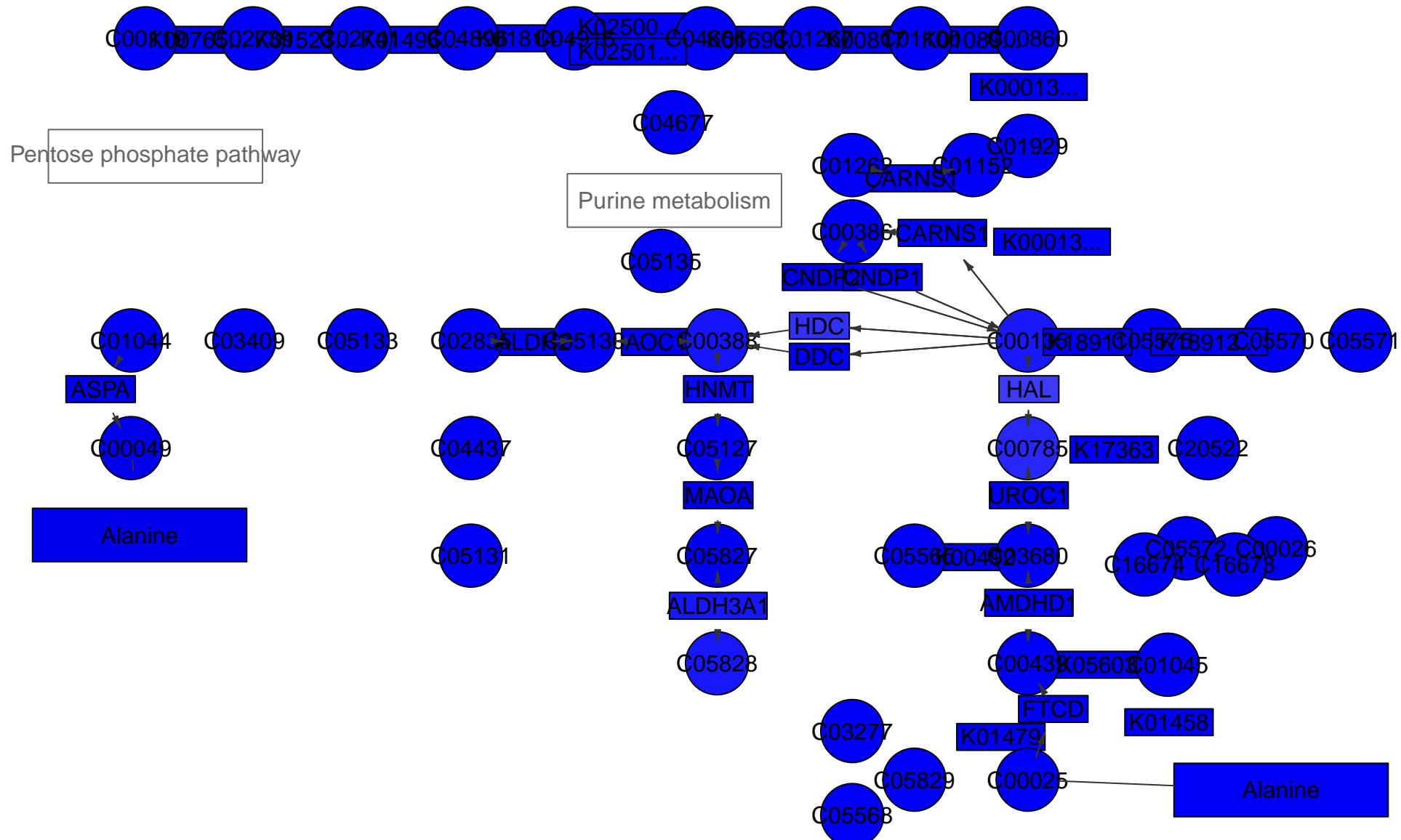
### MPI-184



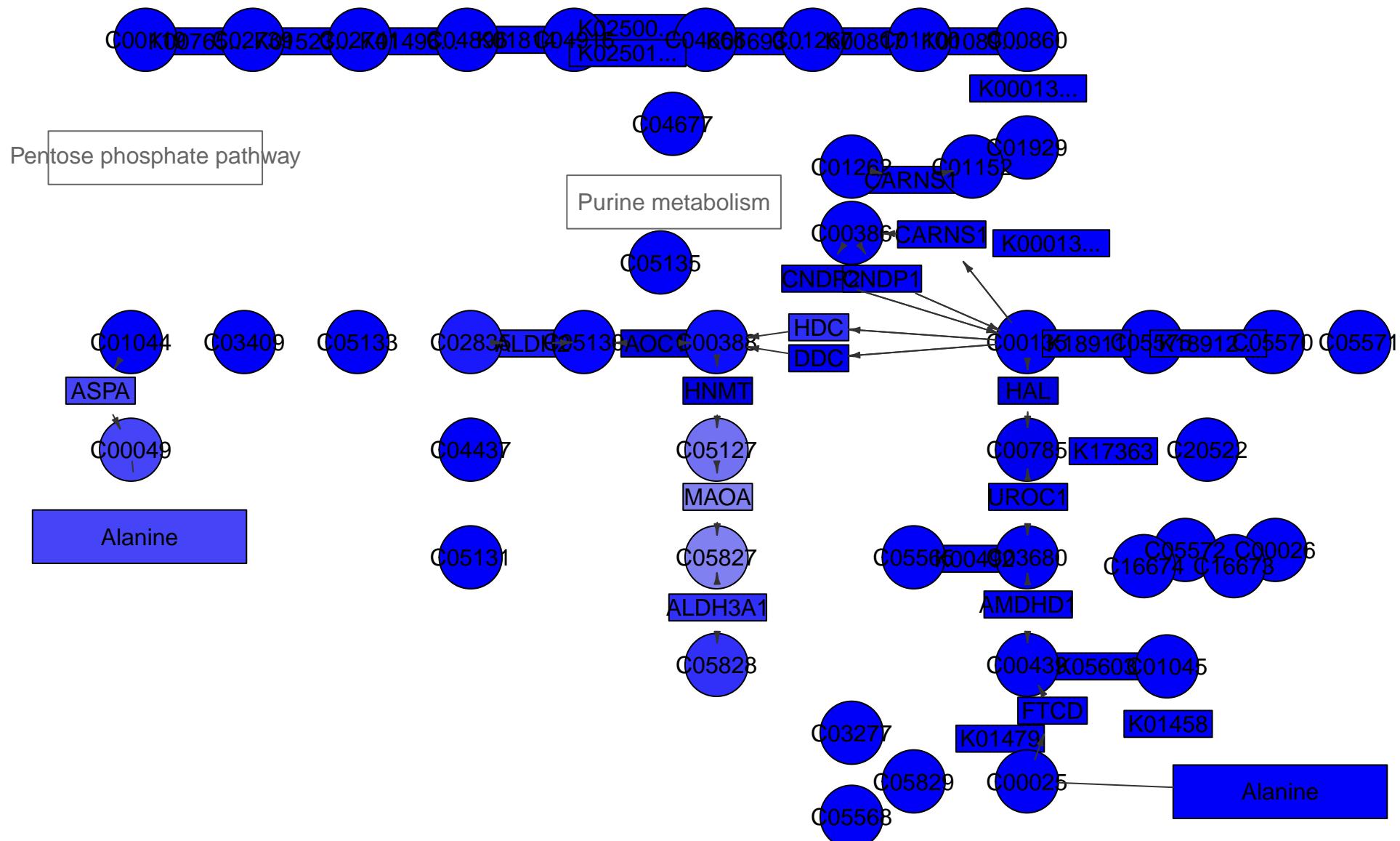
## Histidine metabolism



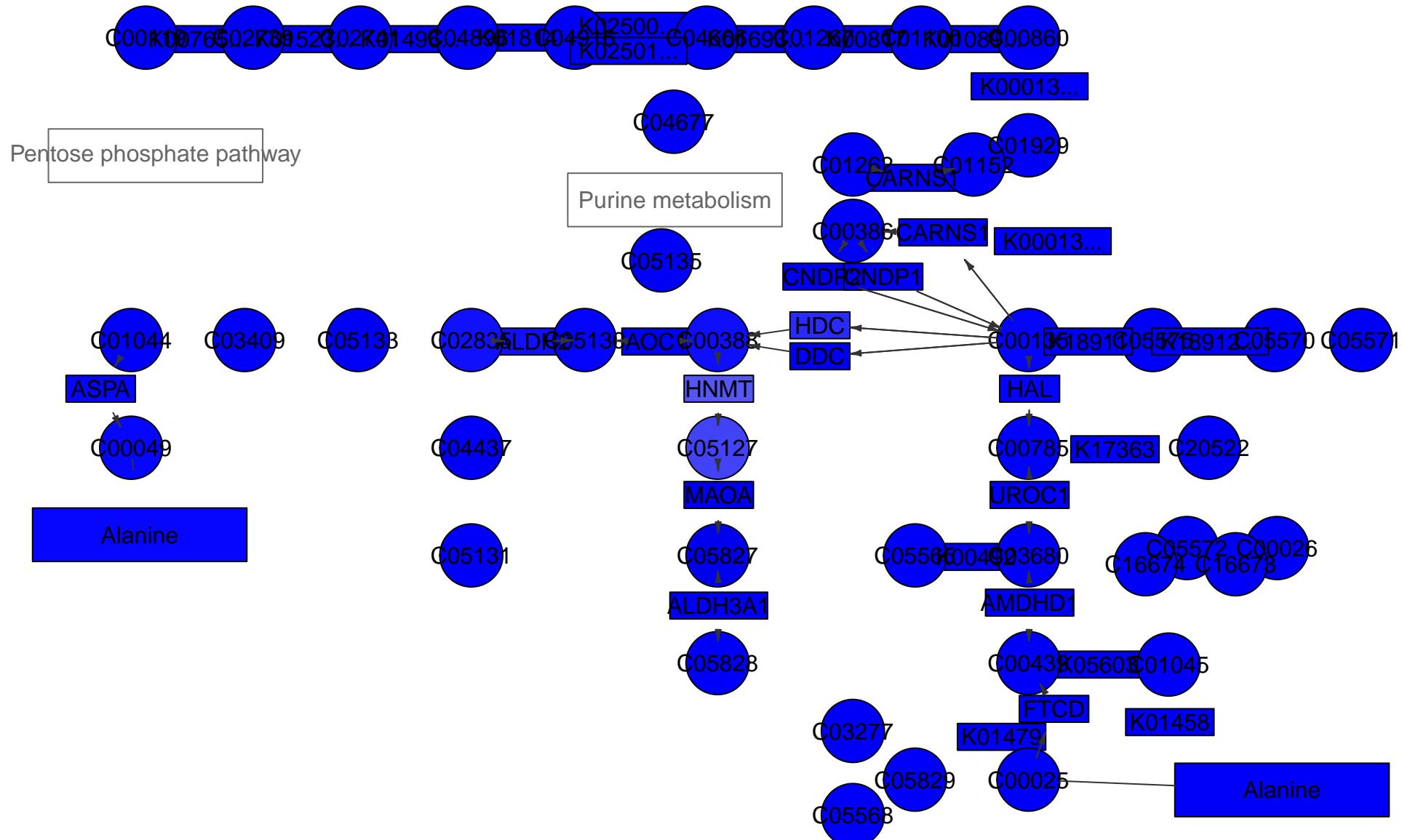
Histidine metabolism  
MPI-186



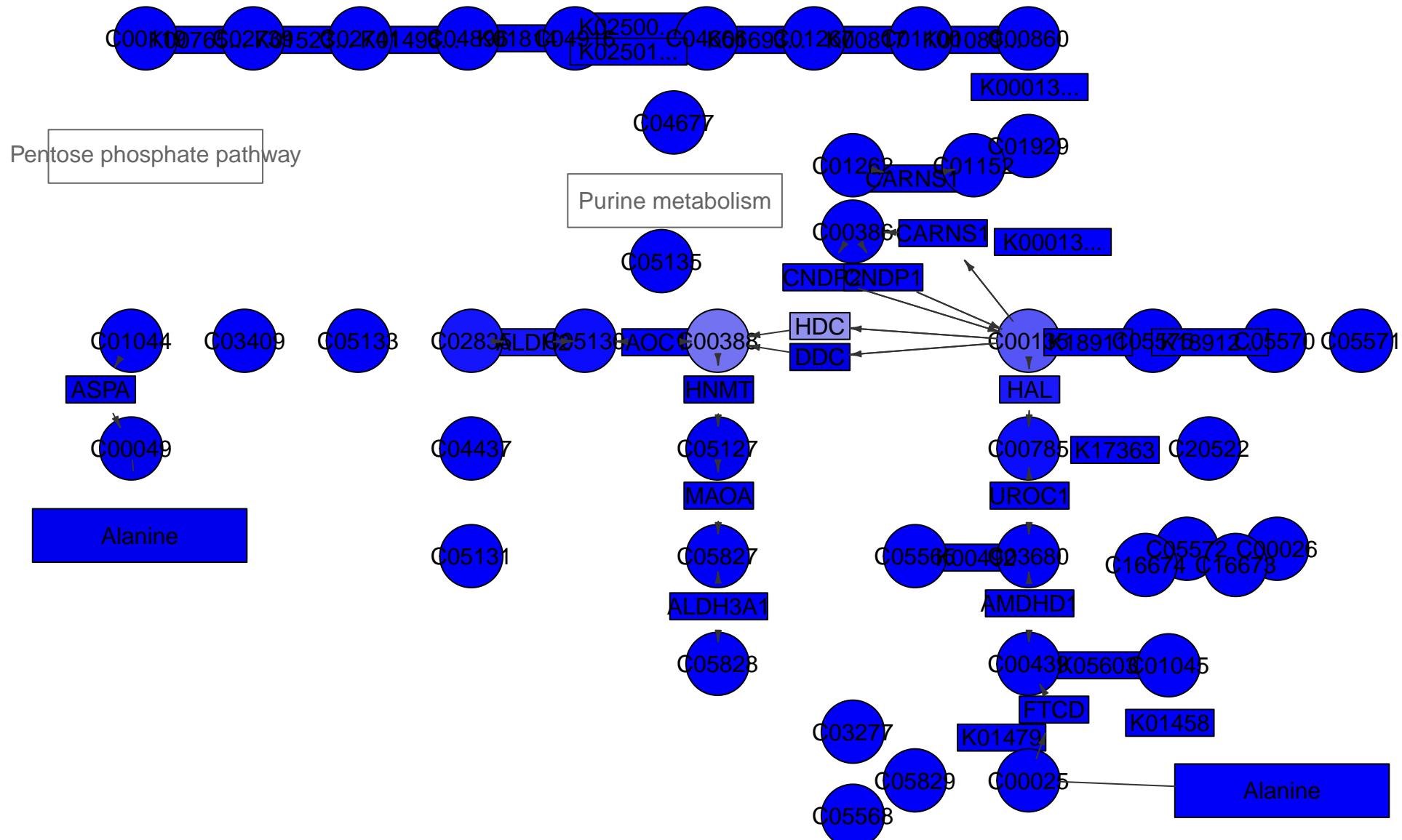
Histidine metabolism  
MPI-188



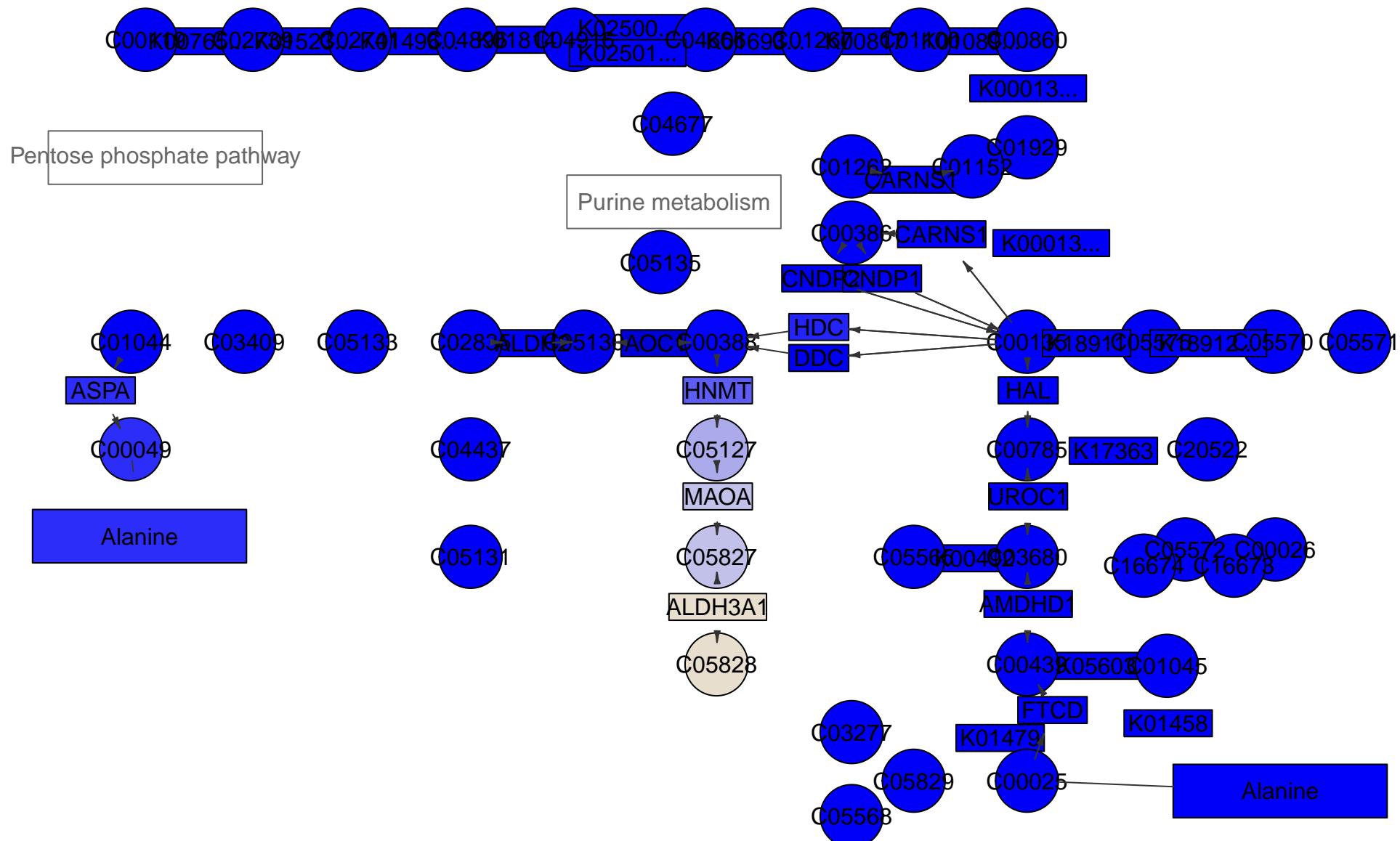
## Histidine metabolism MPI-189



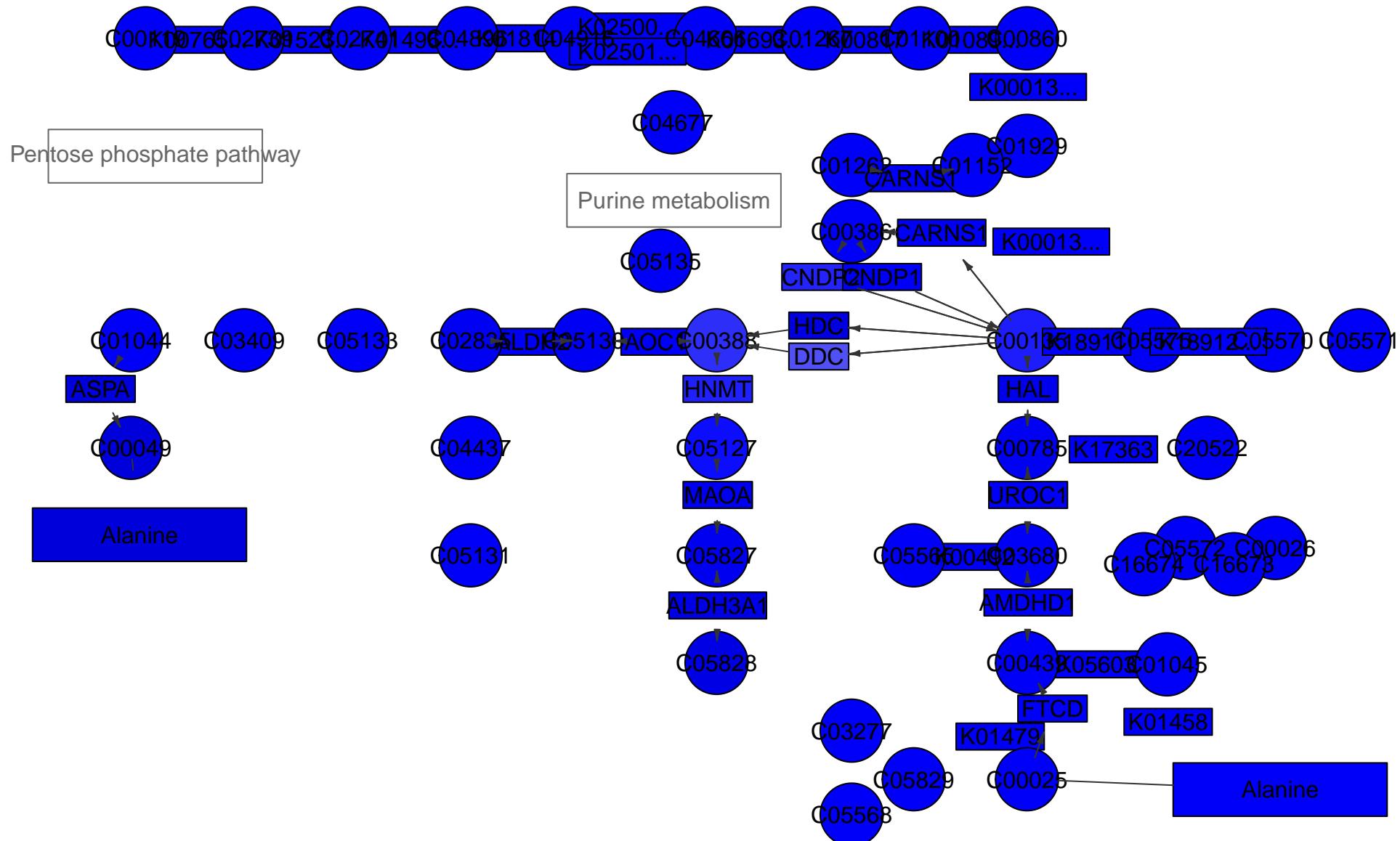
Histidine metabolism  
MPI-190



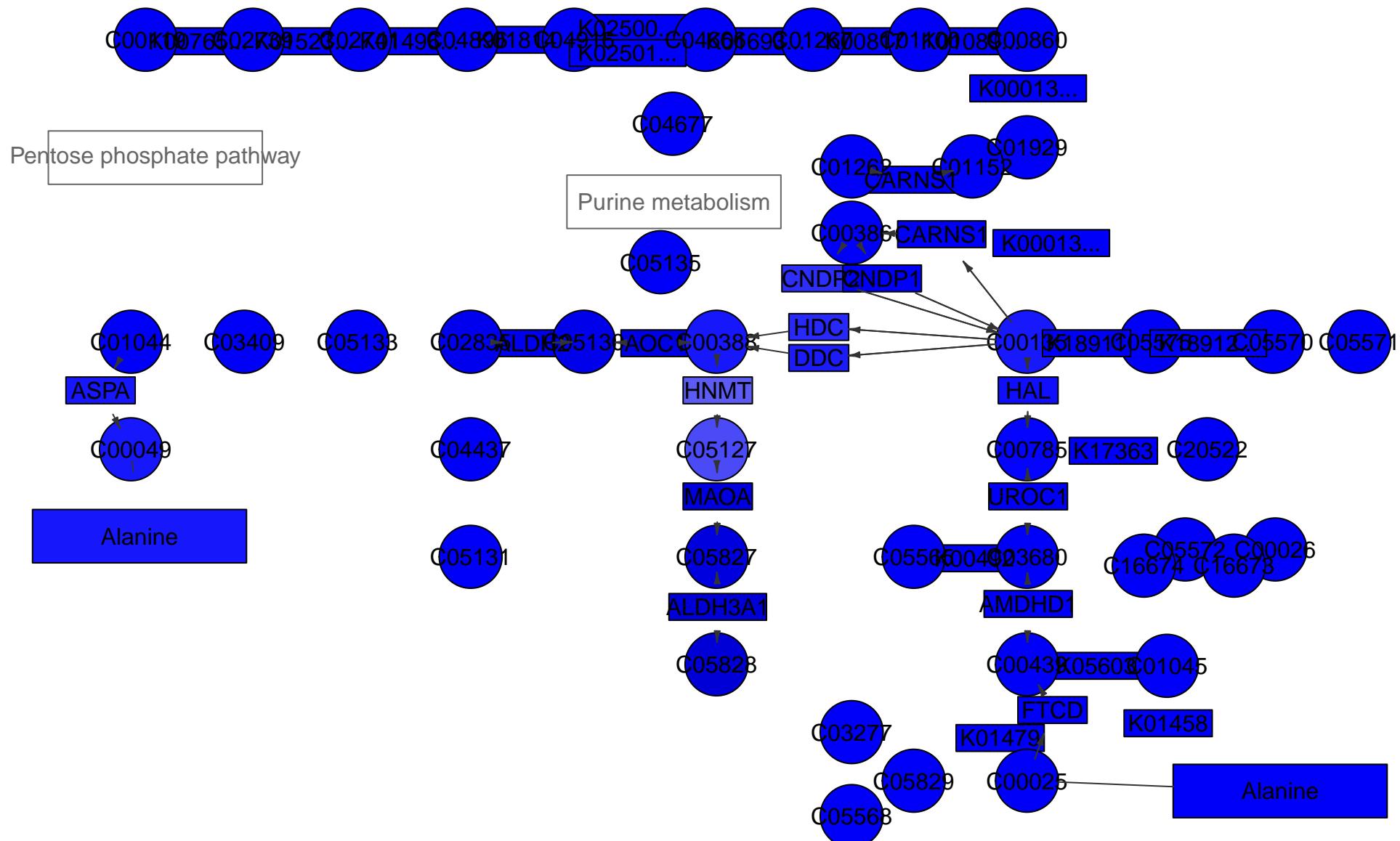
Histidine metabolism  
MPI-191



Histidine metabolism  
MPI-192

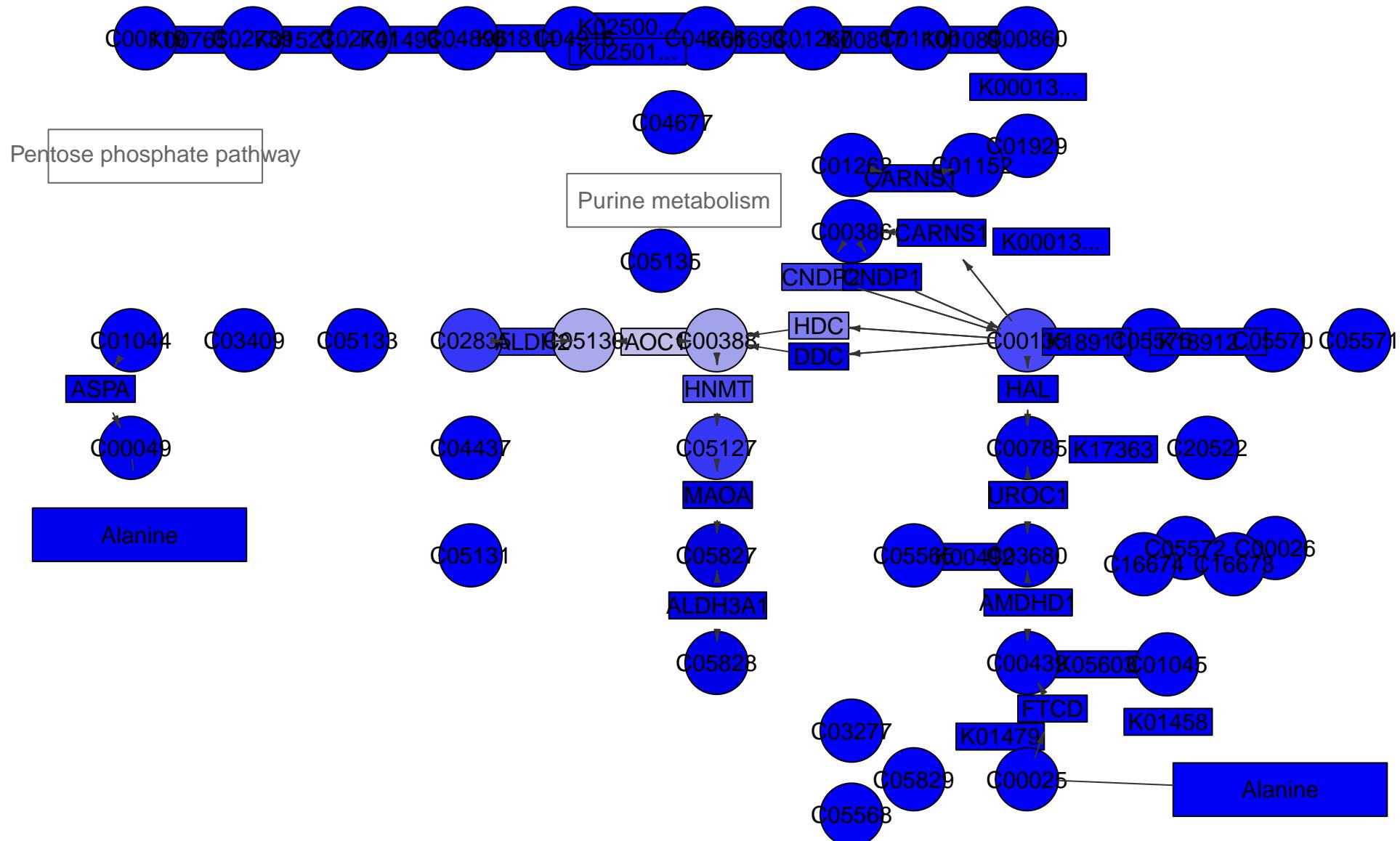


Histidine metabolism  
MPI-194

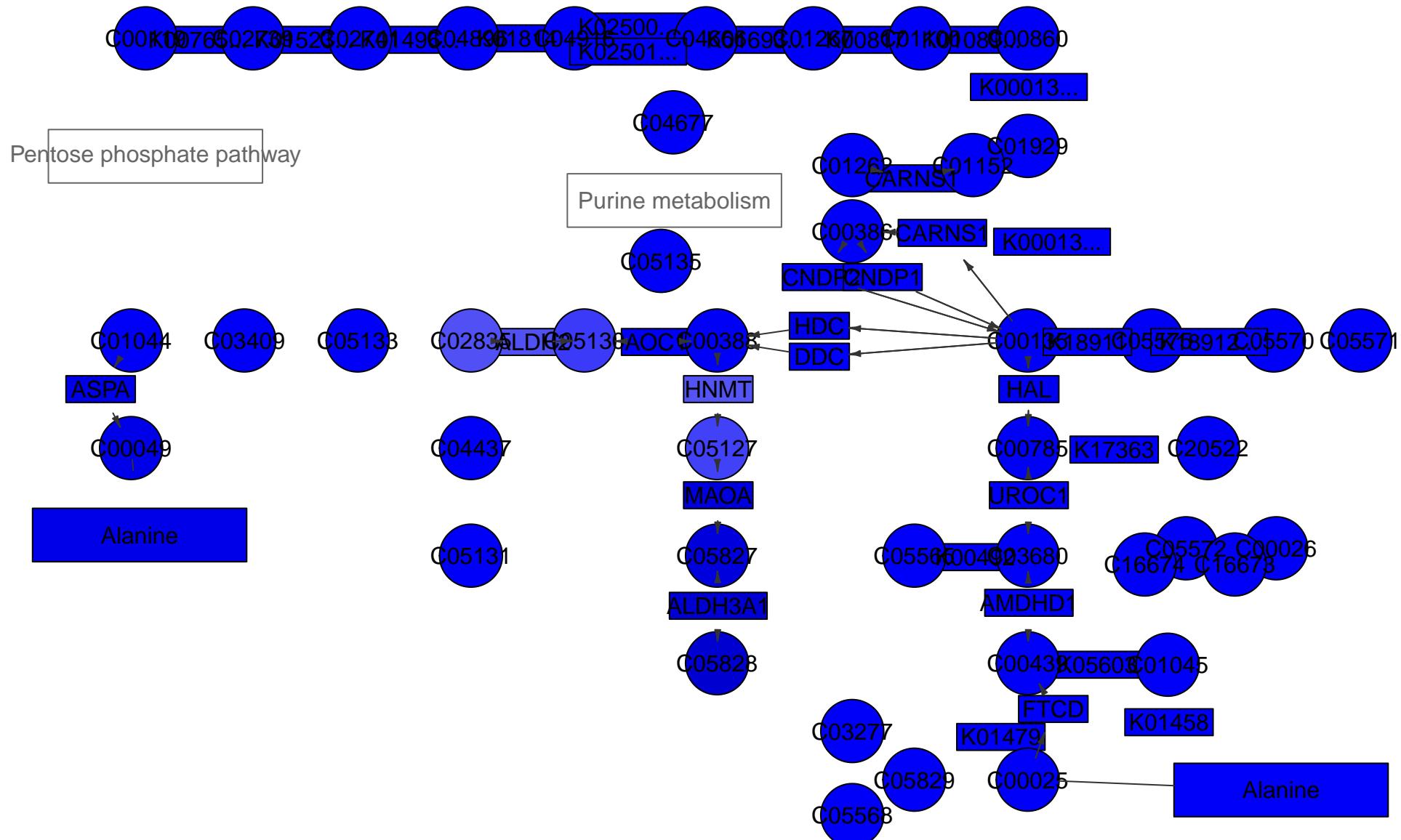


# Histidine metabolism

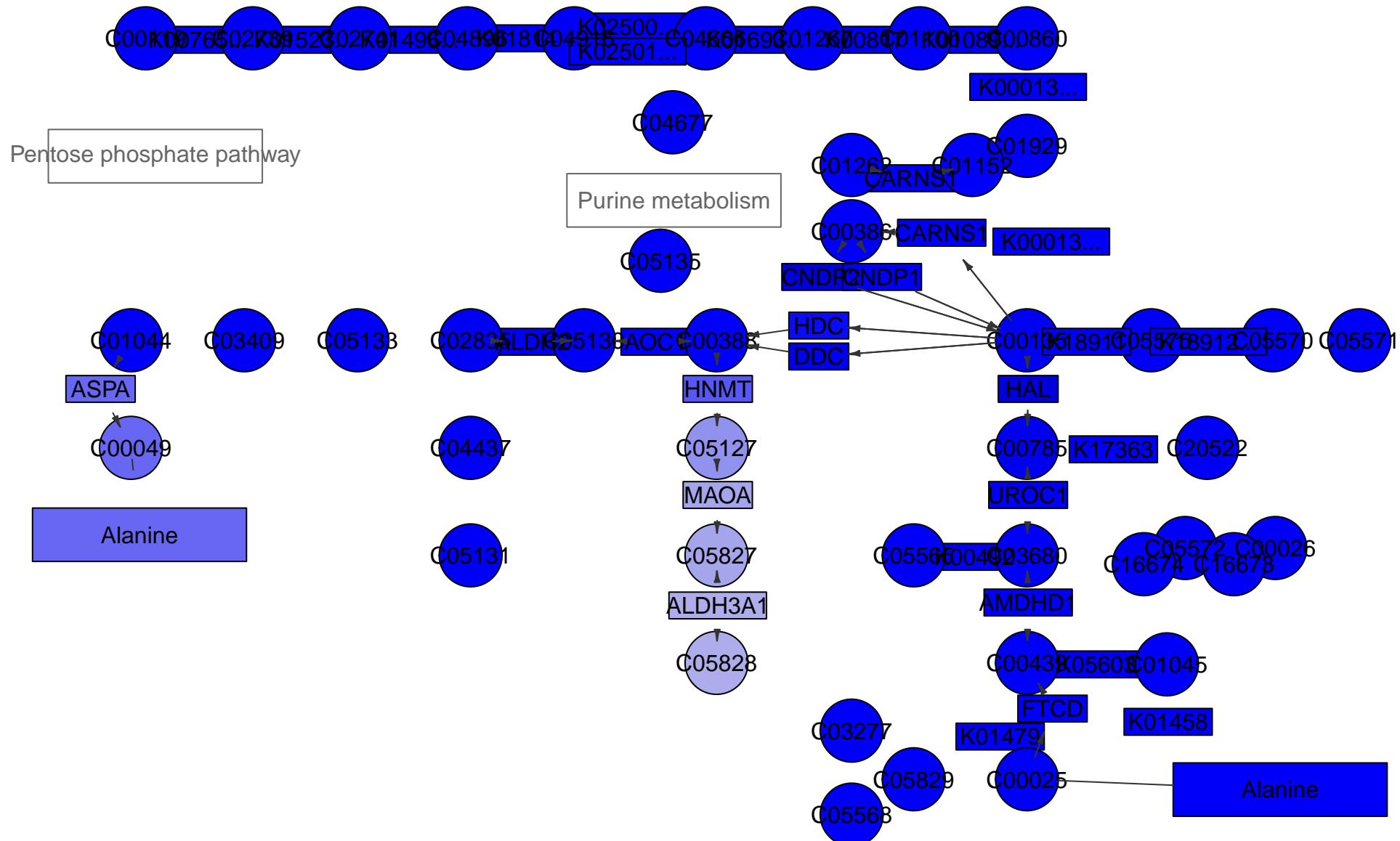
## MPI-195



Histidine metabolism  
MPI-196

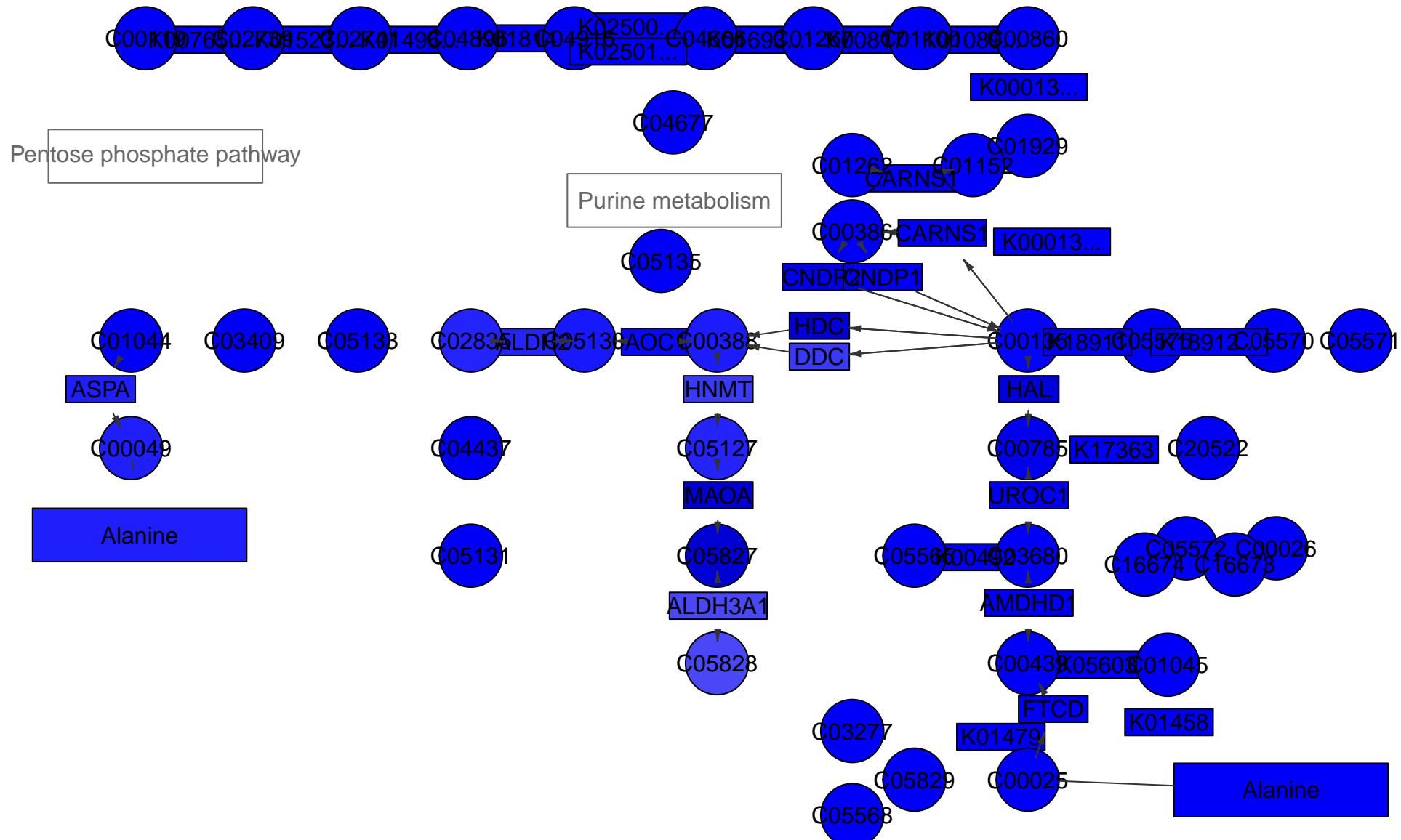


## Histidine metabolism MPI-198

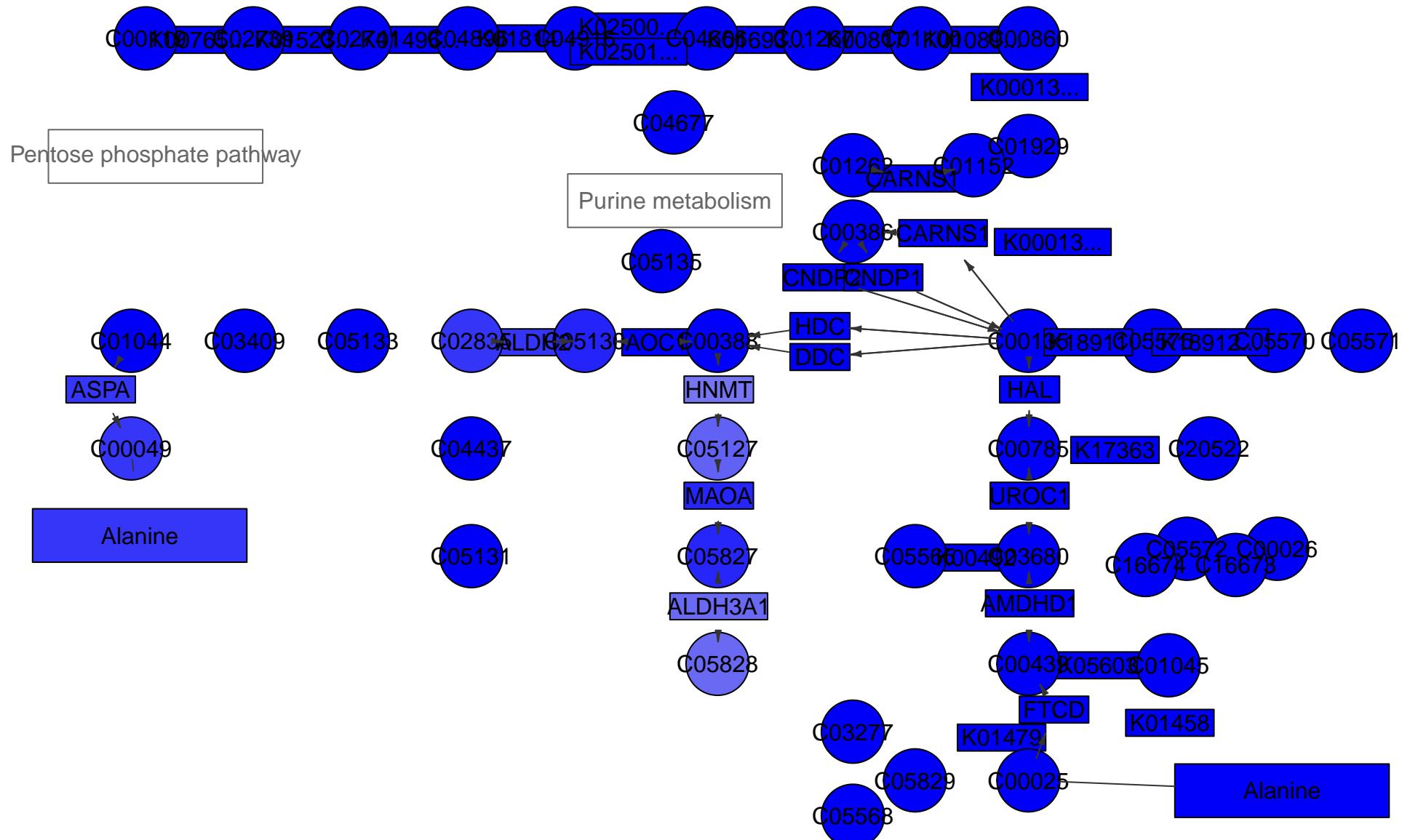


## Histidine metabolism

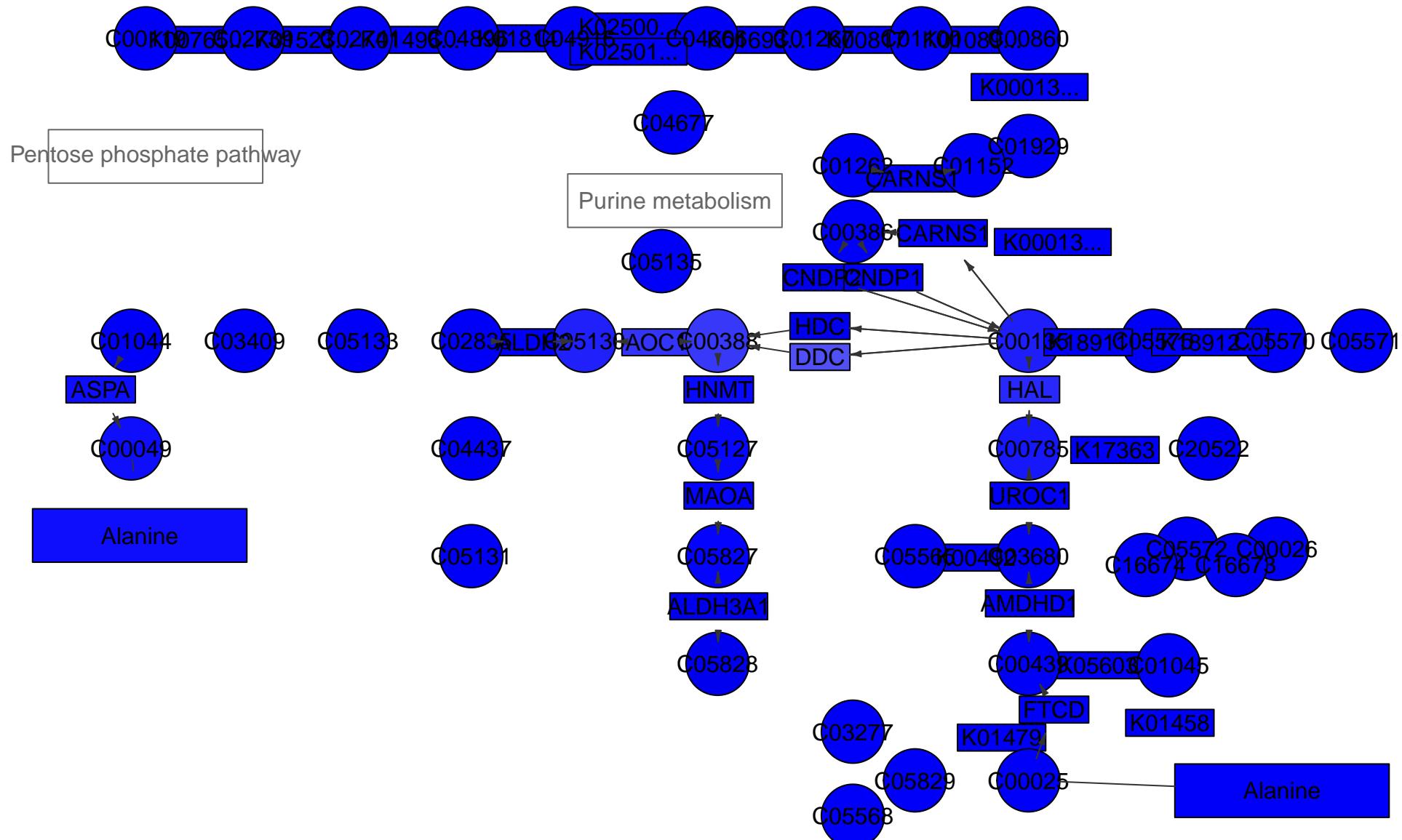
### MPI-199



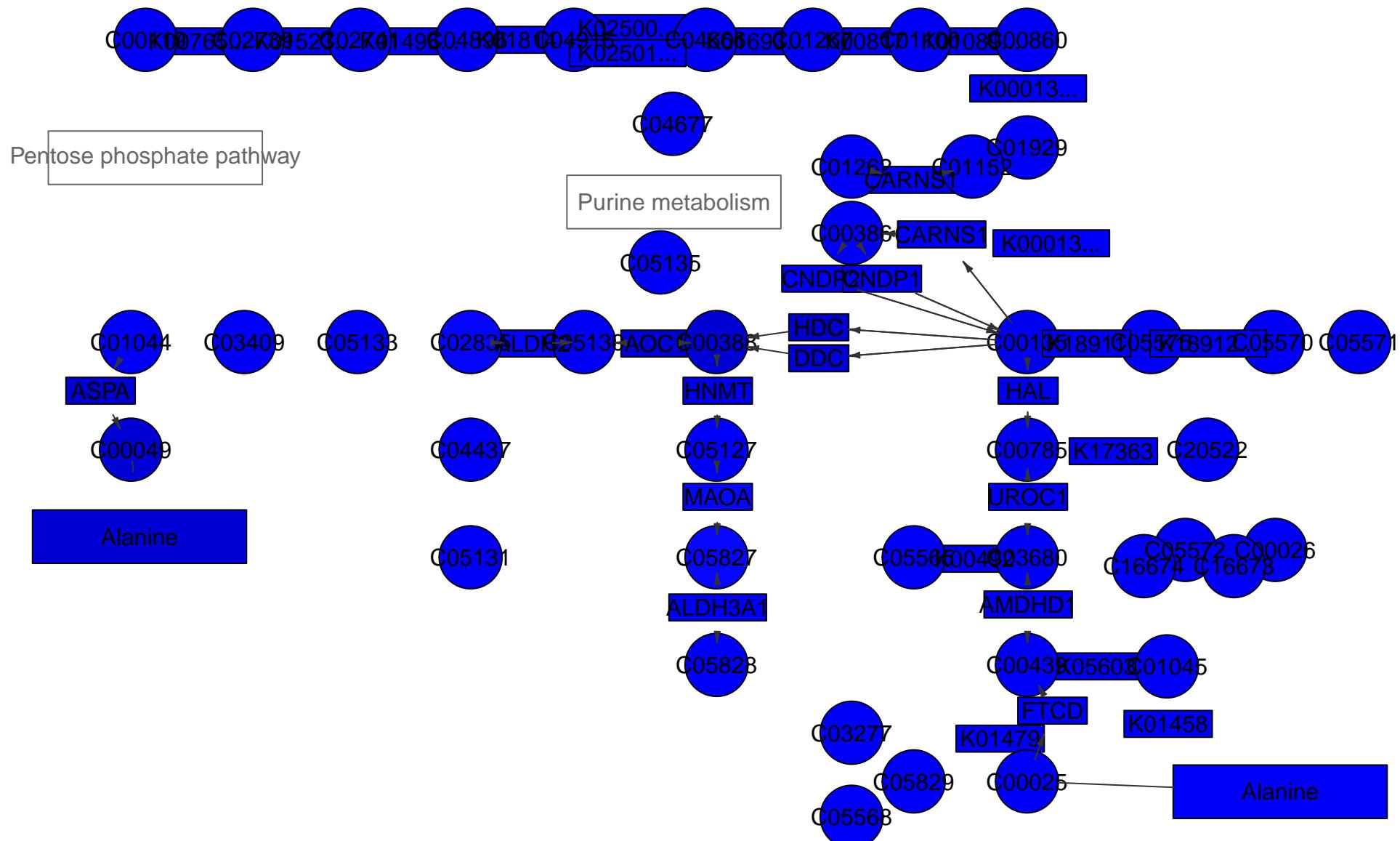
Histidine metabolism  
MPI-200



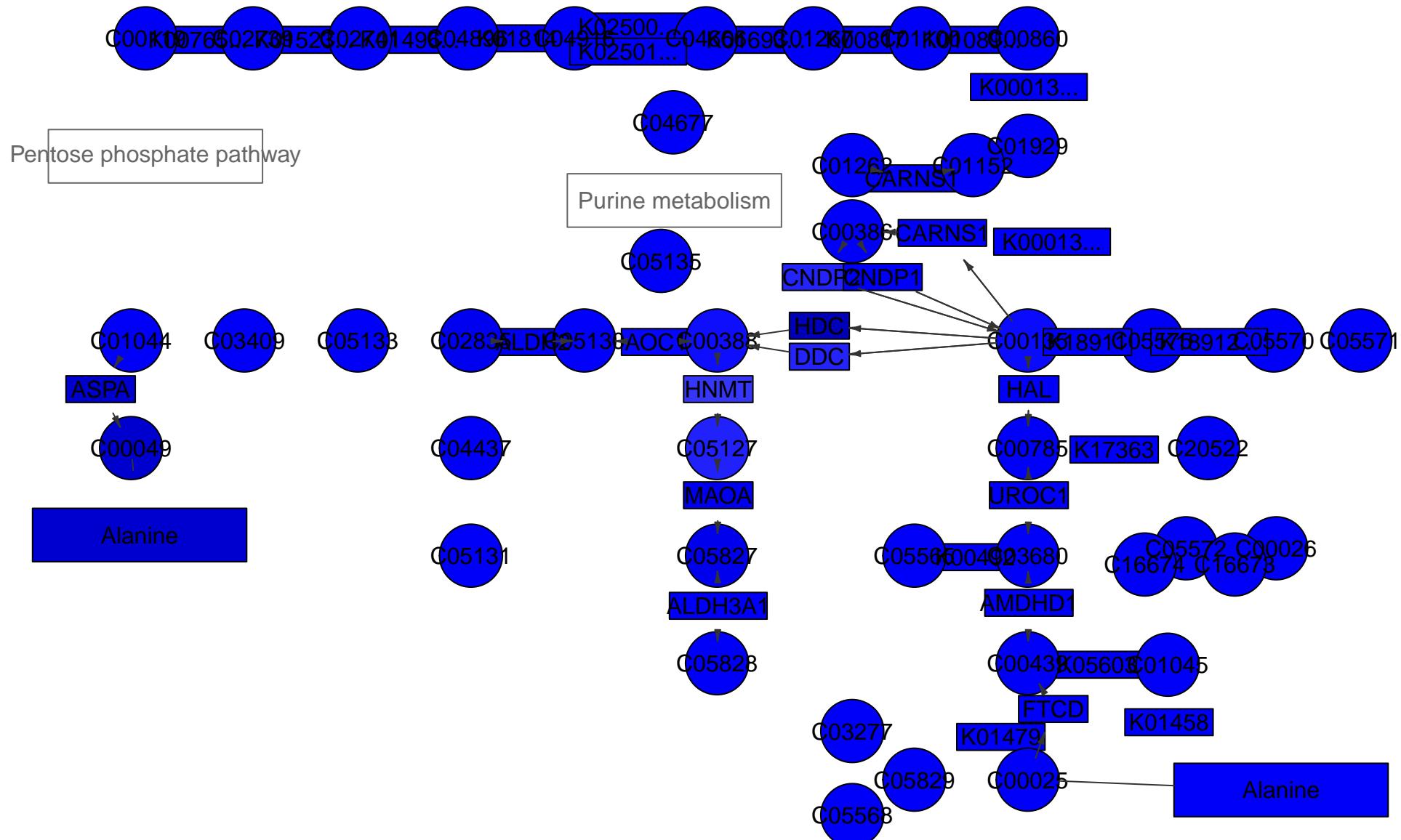
Histidine metabolism  
MPI-201



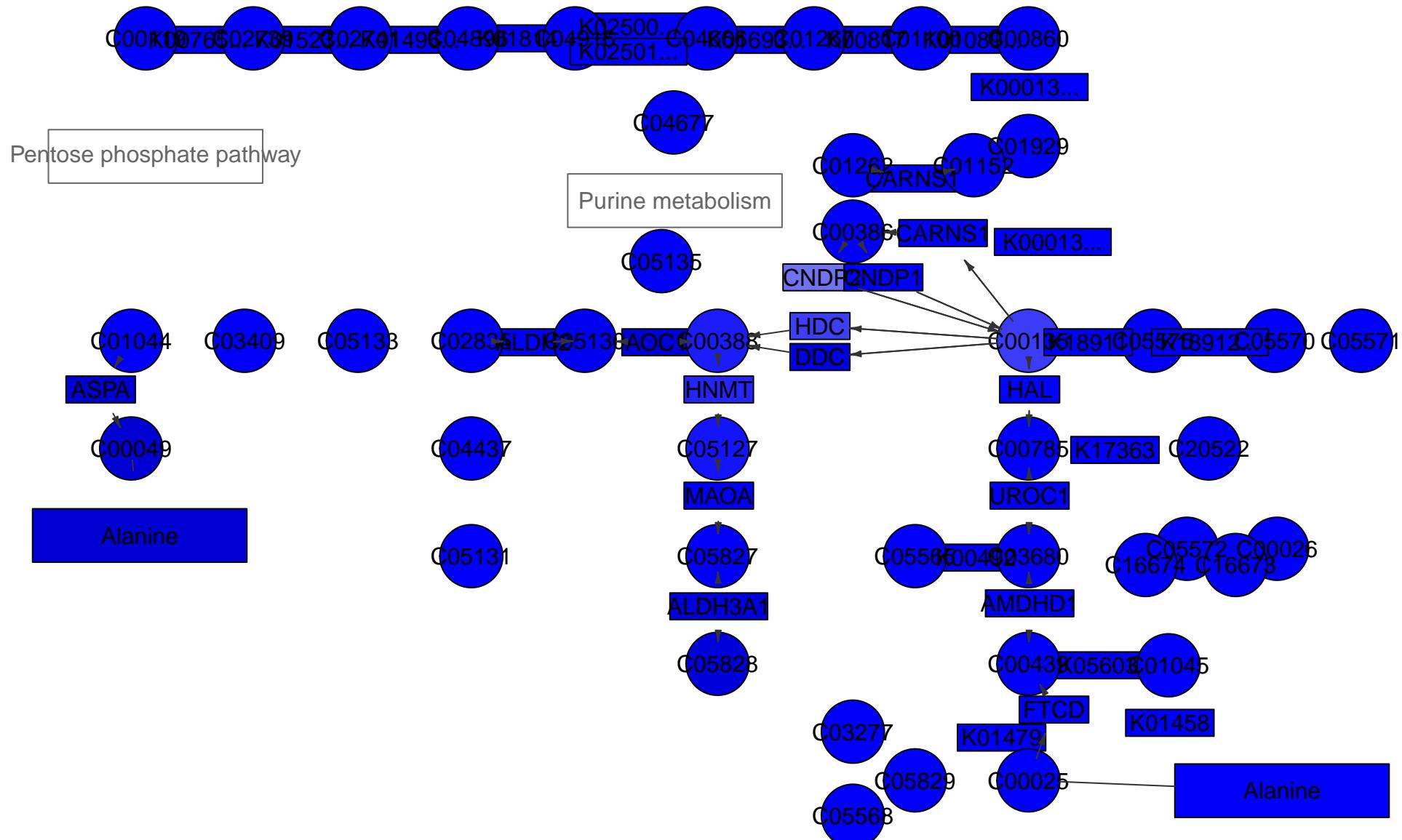
Histidine metabolism  
MPI-202



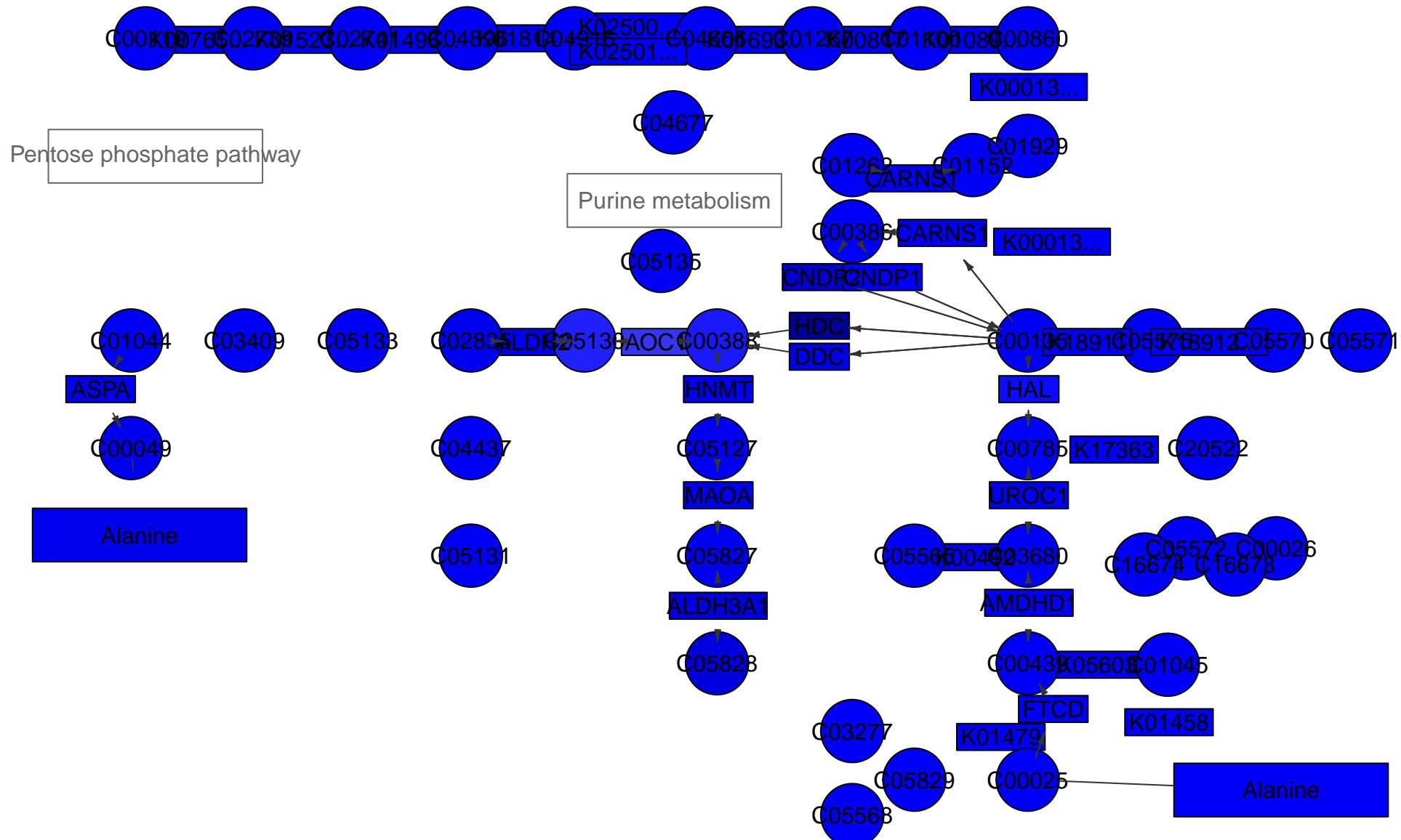
Histidine metabolism  
MPI-203



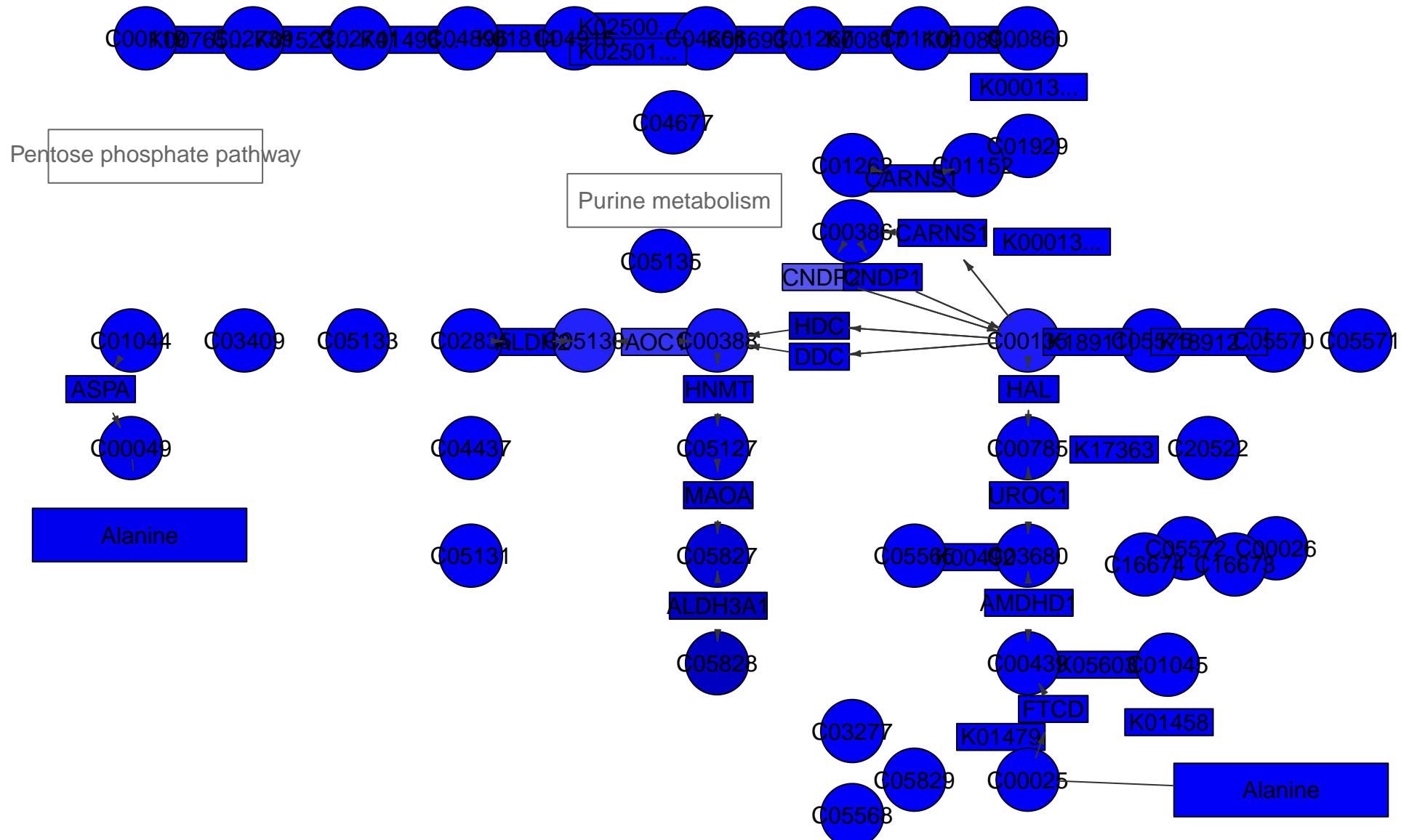
Histidine metabolism  
MPI-204



Histidine metabolism  
MPI-205

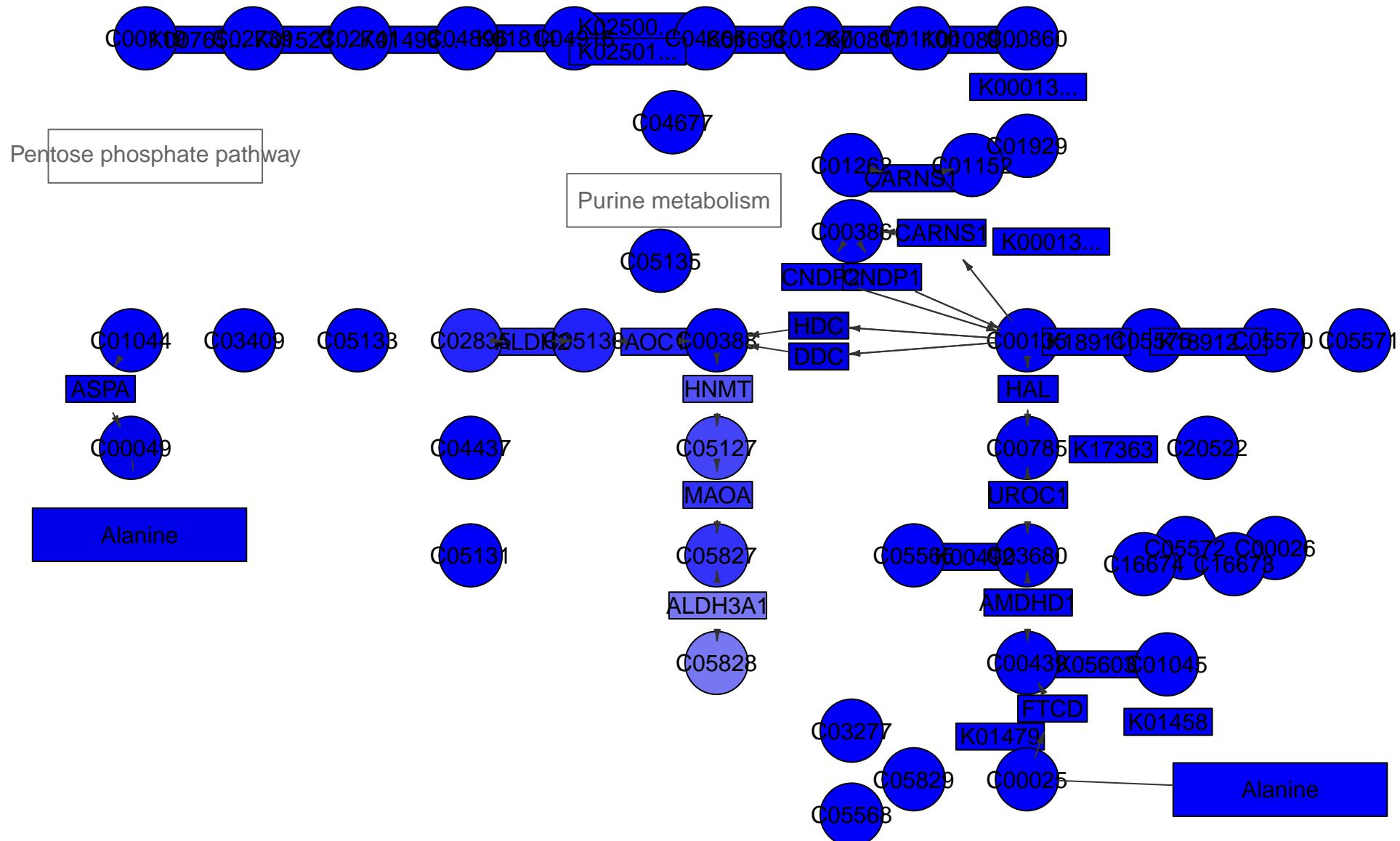


Histidine metabolism  
MPI-206

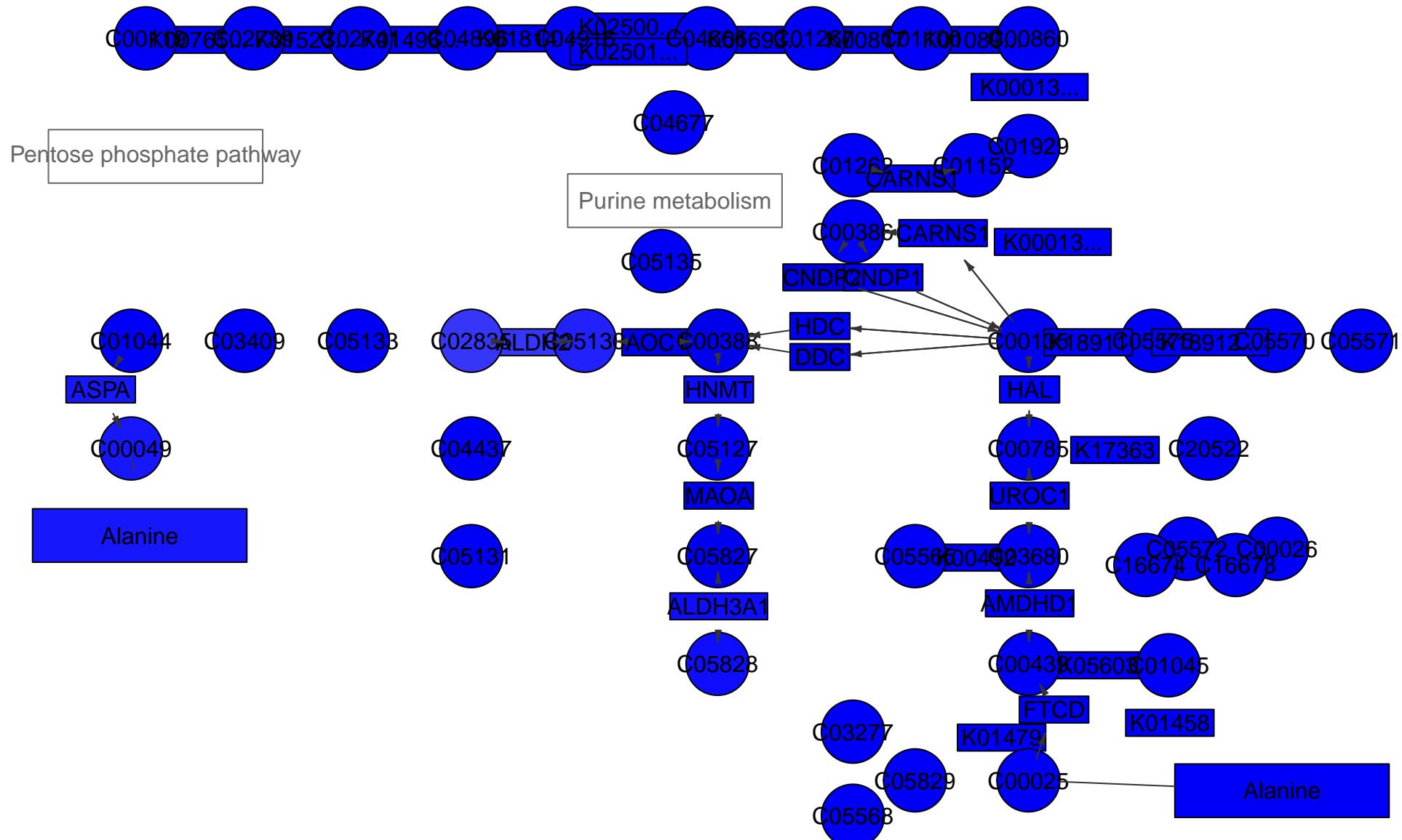


# Histidine metabolism

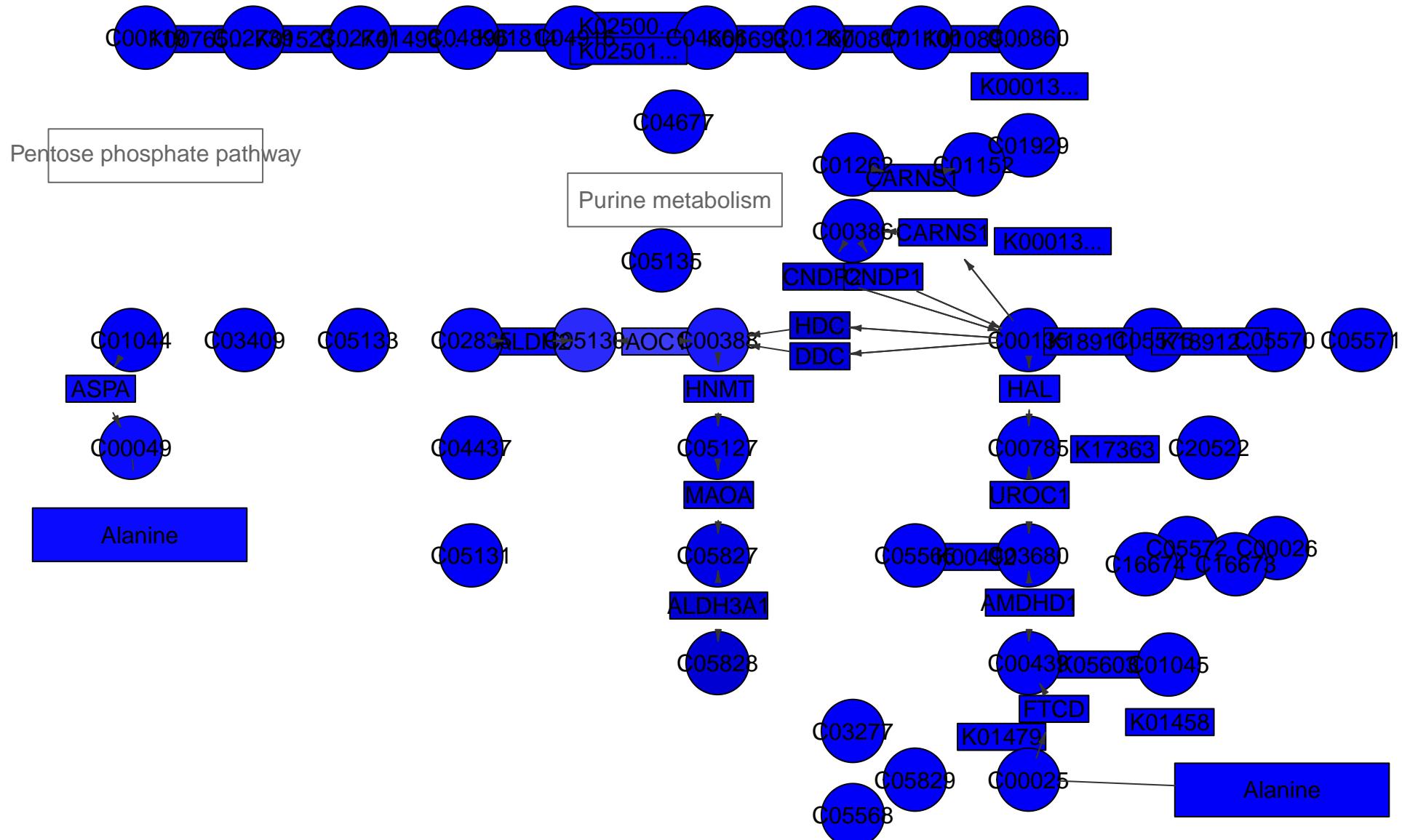
## MPI-207



Histidine metabolism  
MPI-208

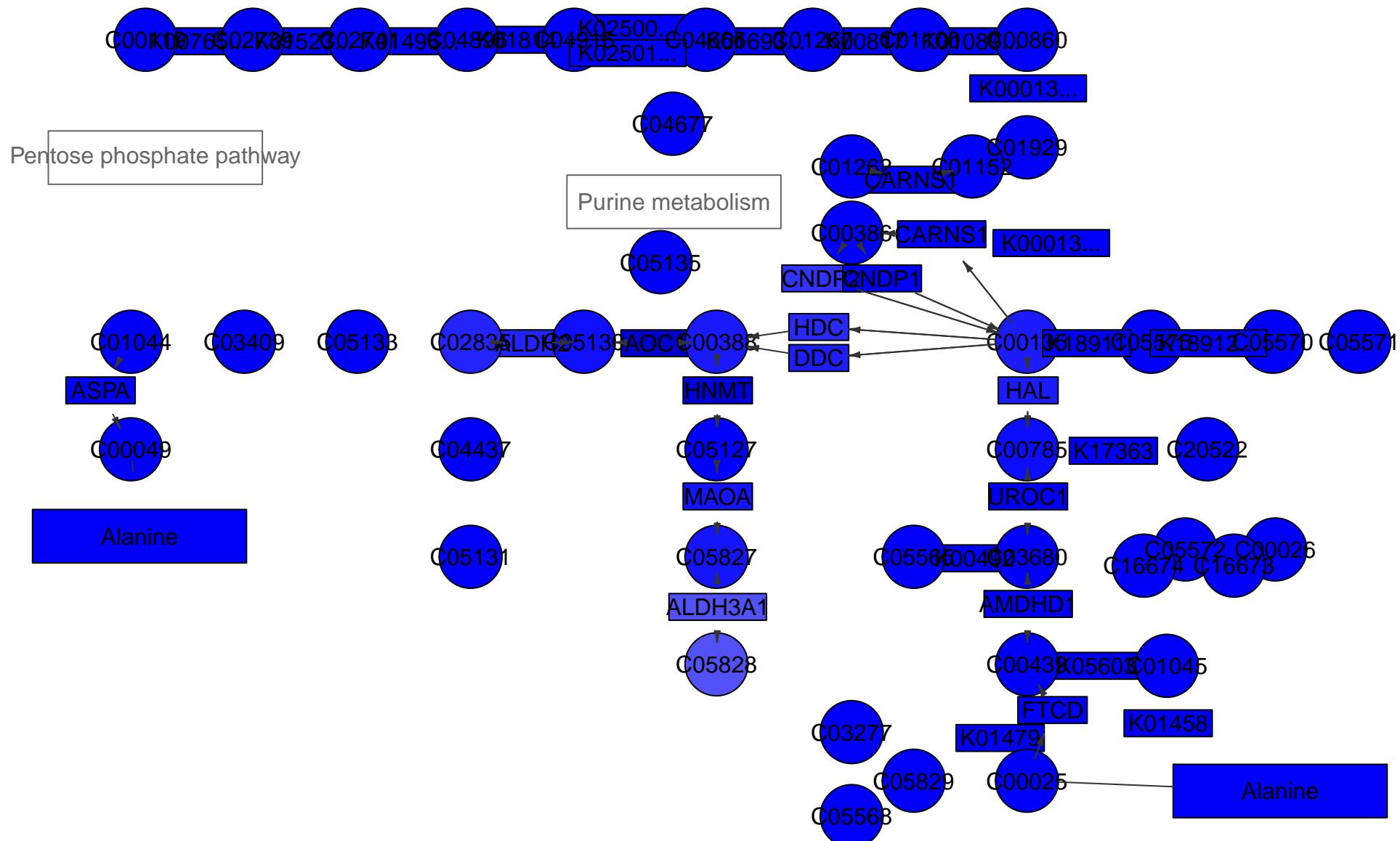


Histidine metabolism  
MPI-209

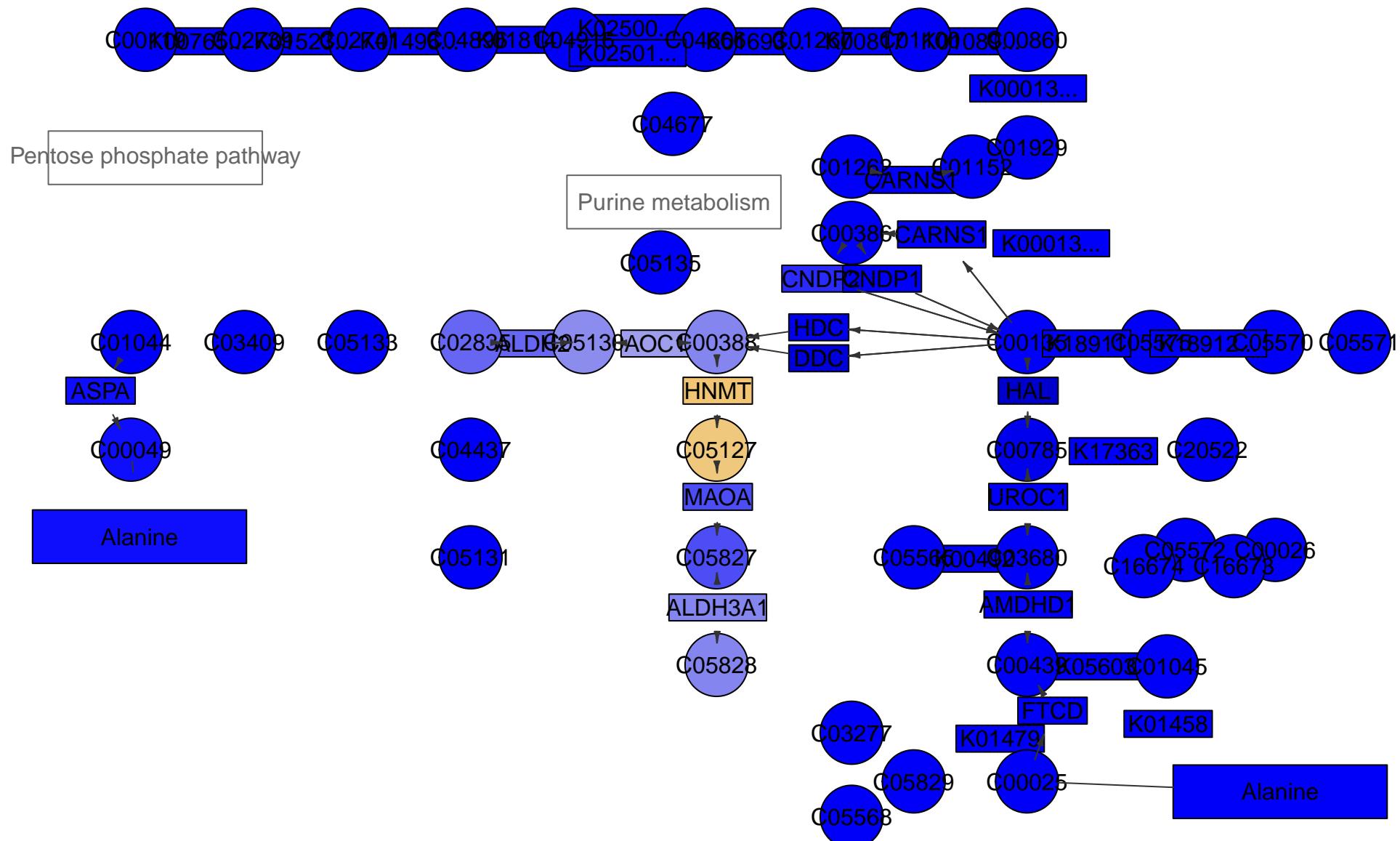


# Histidine metabolism

## MPI-210

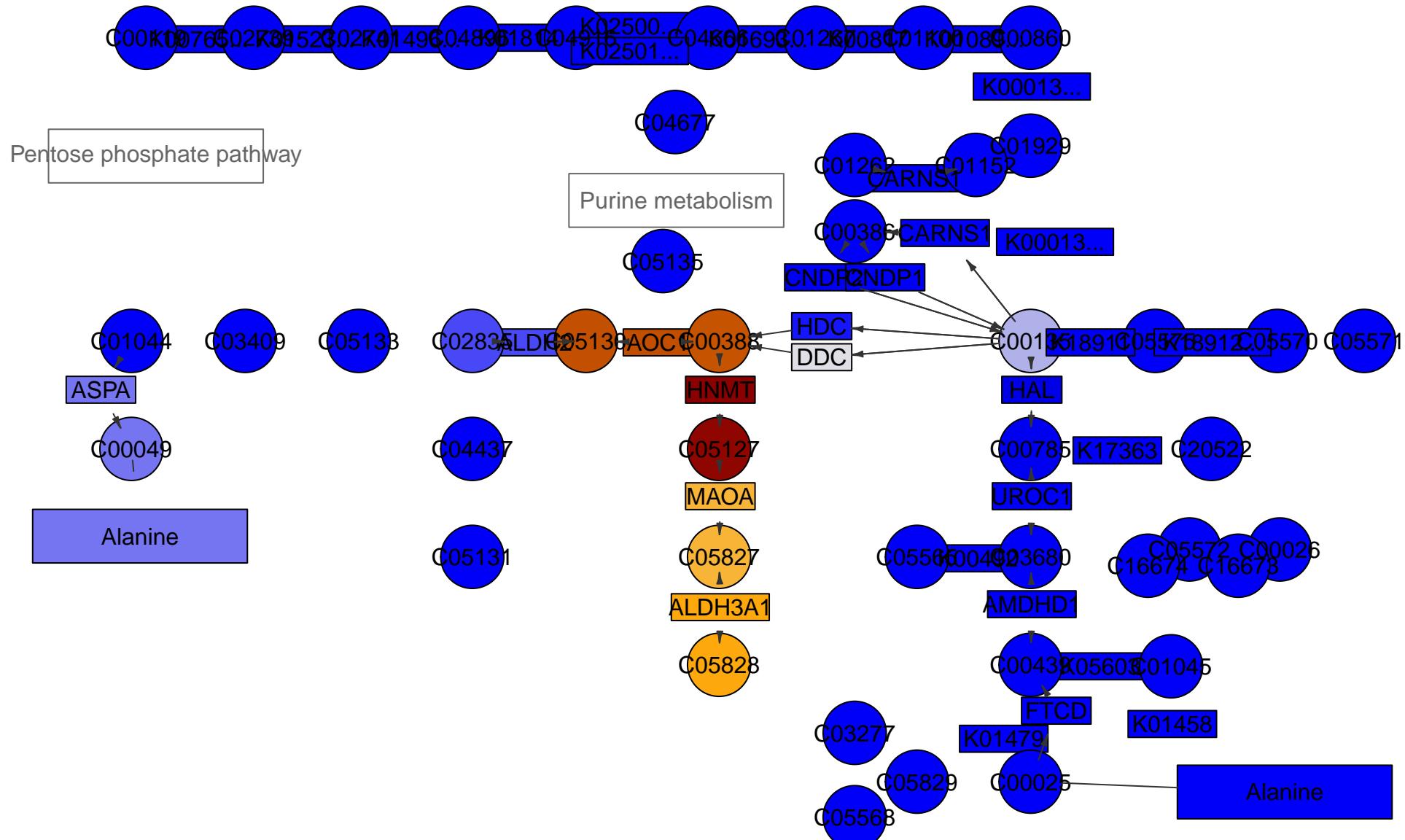


Histidine metabolism  
MPI-212

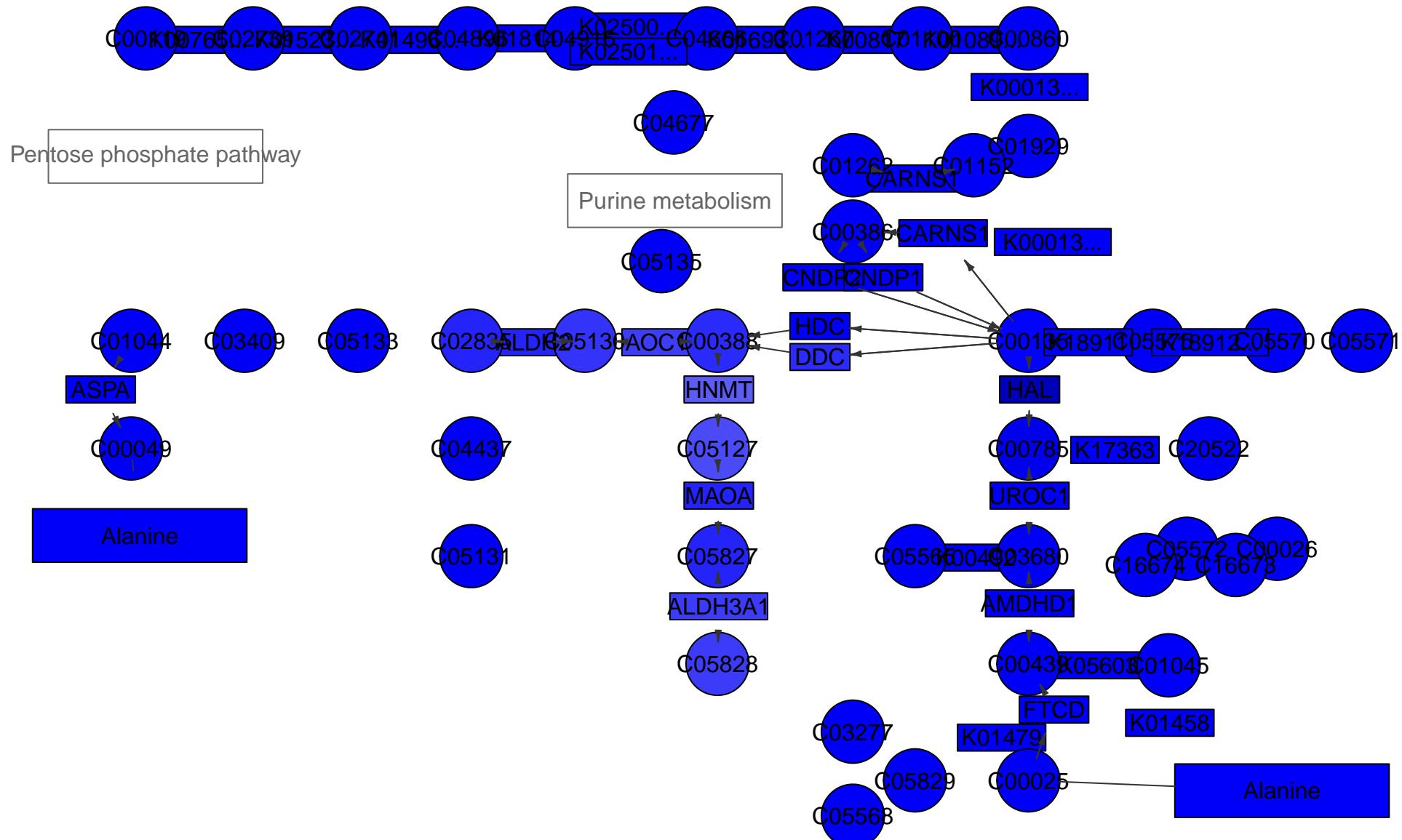


# Histidine metabolism

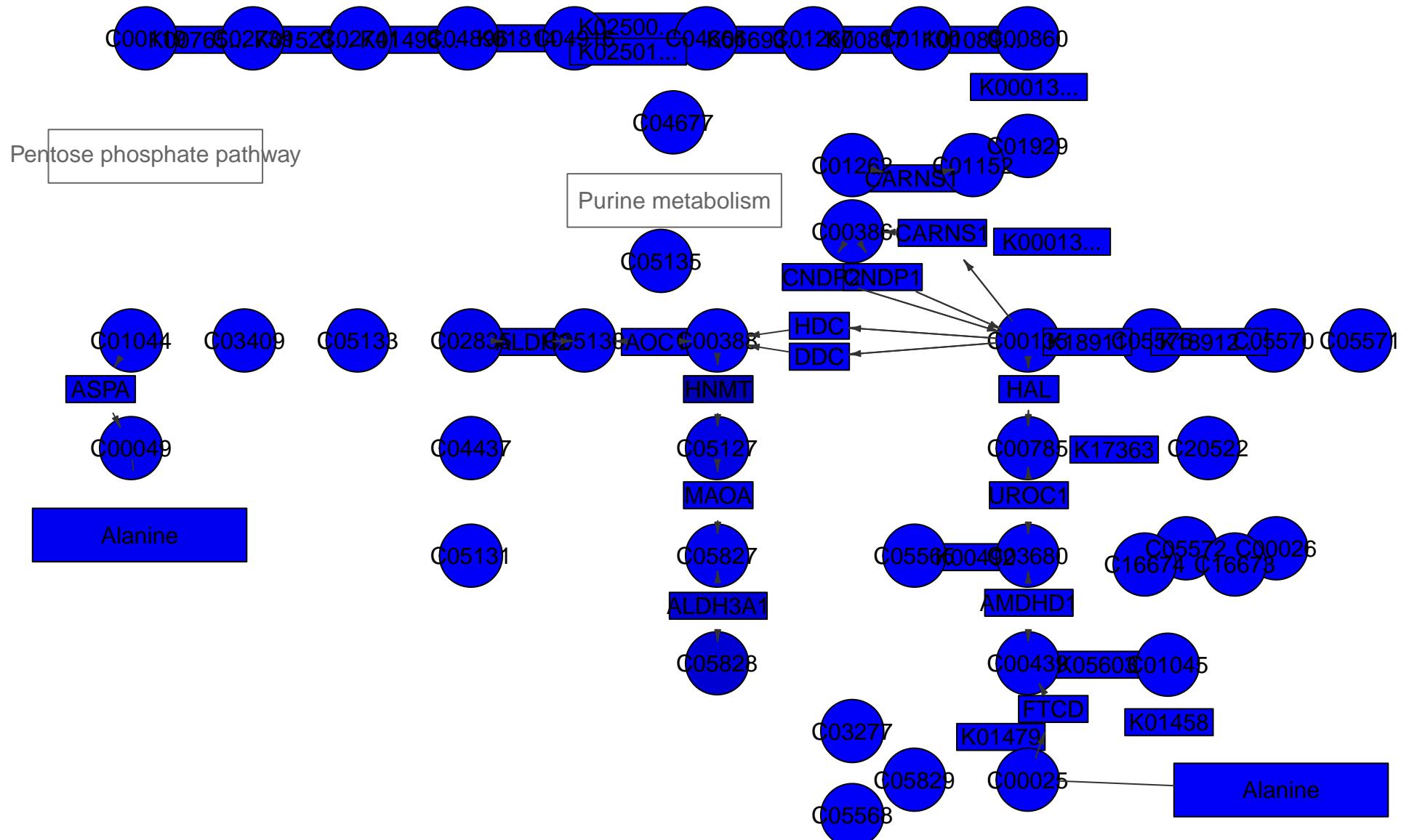
## MPI-213



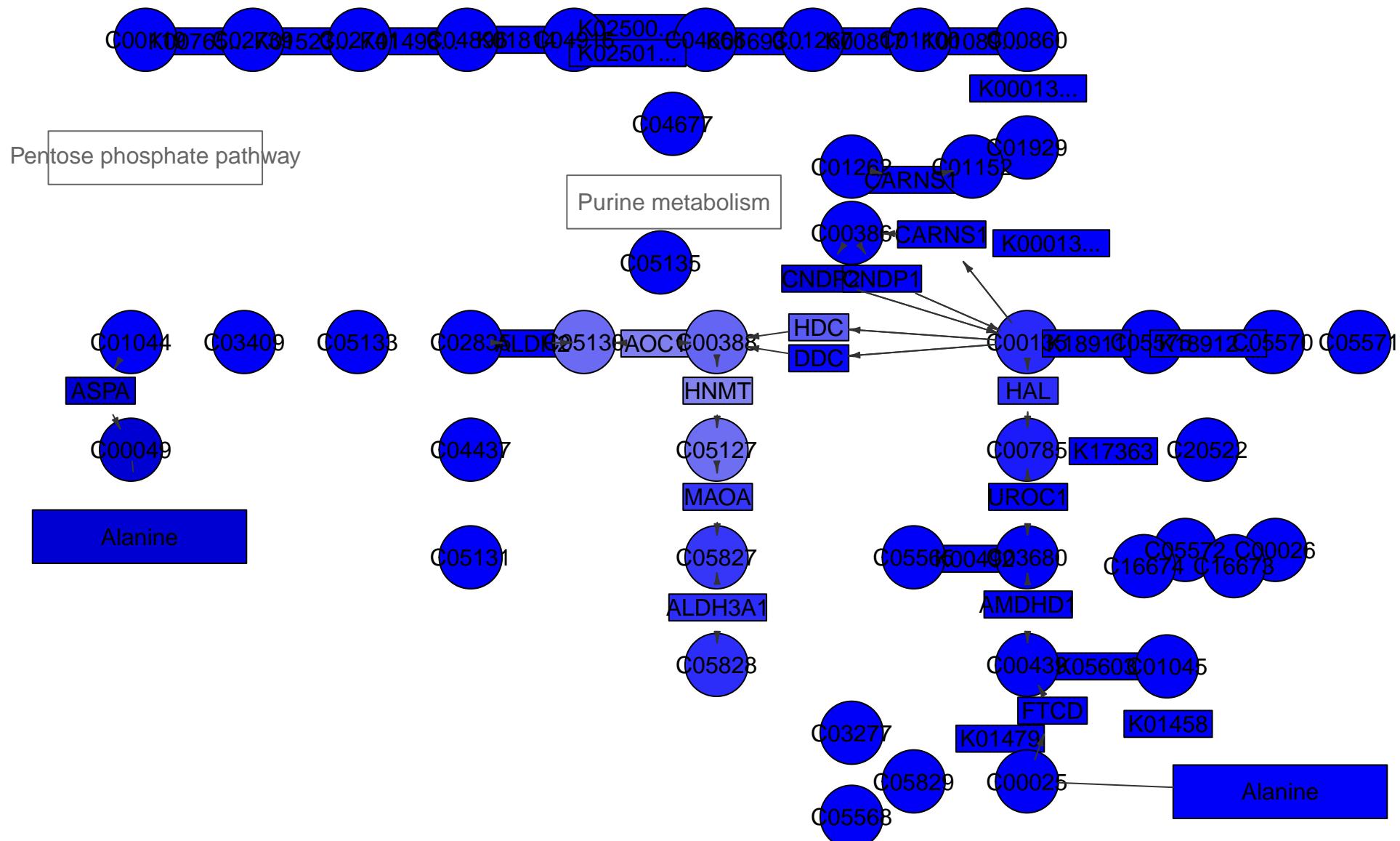
Histidine metabolism  
MPI-215



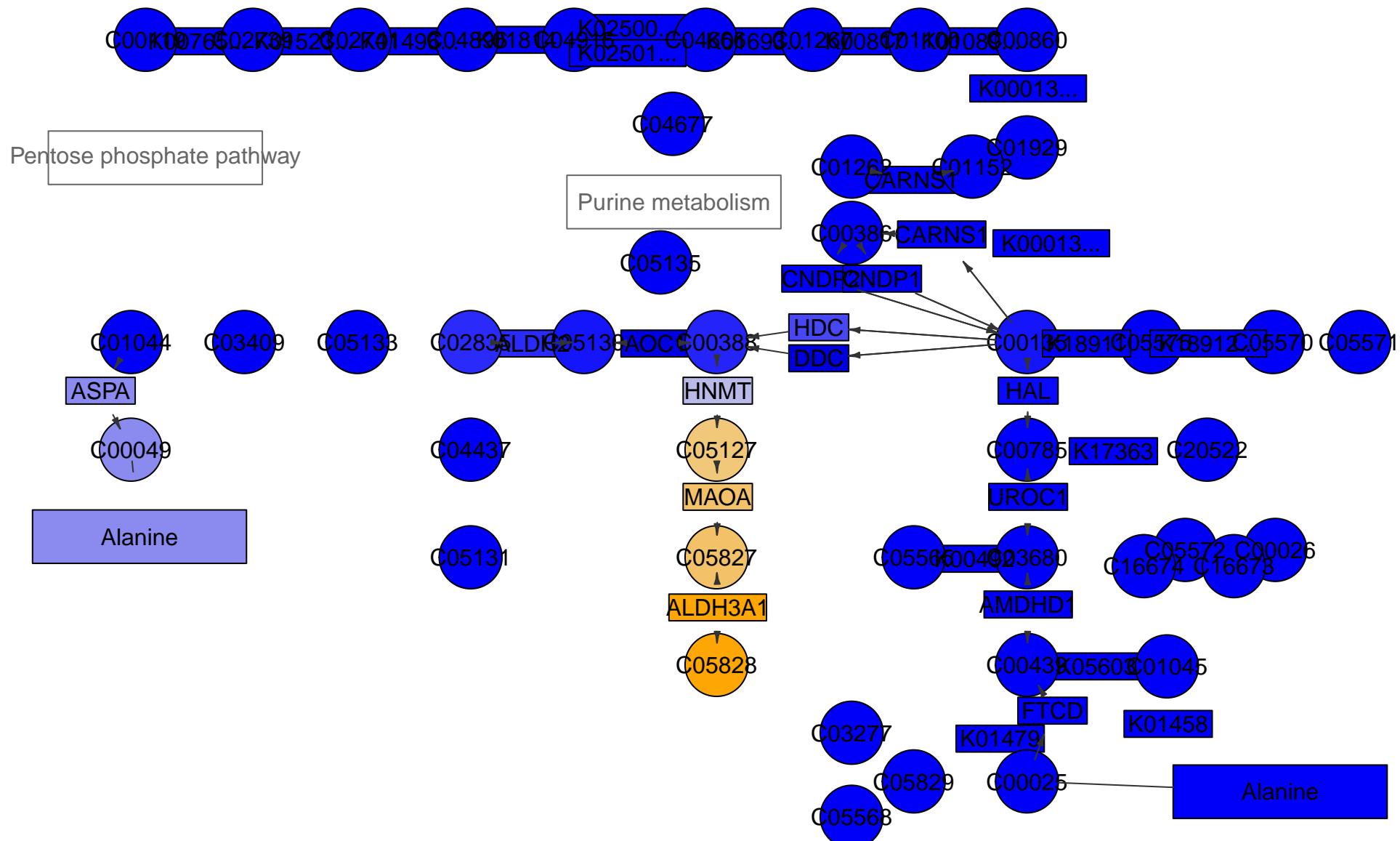
Histidine metabolism  
MPI-219



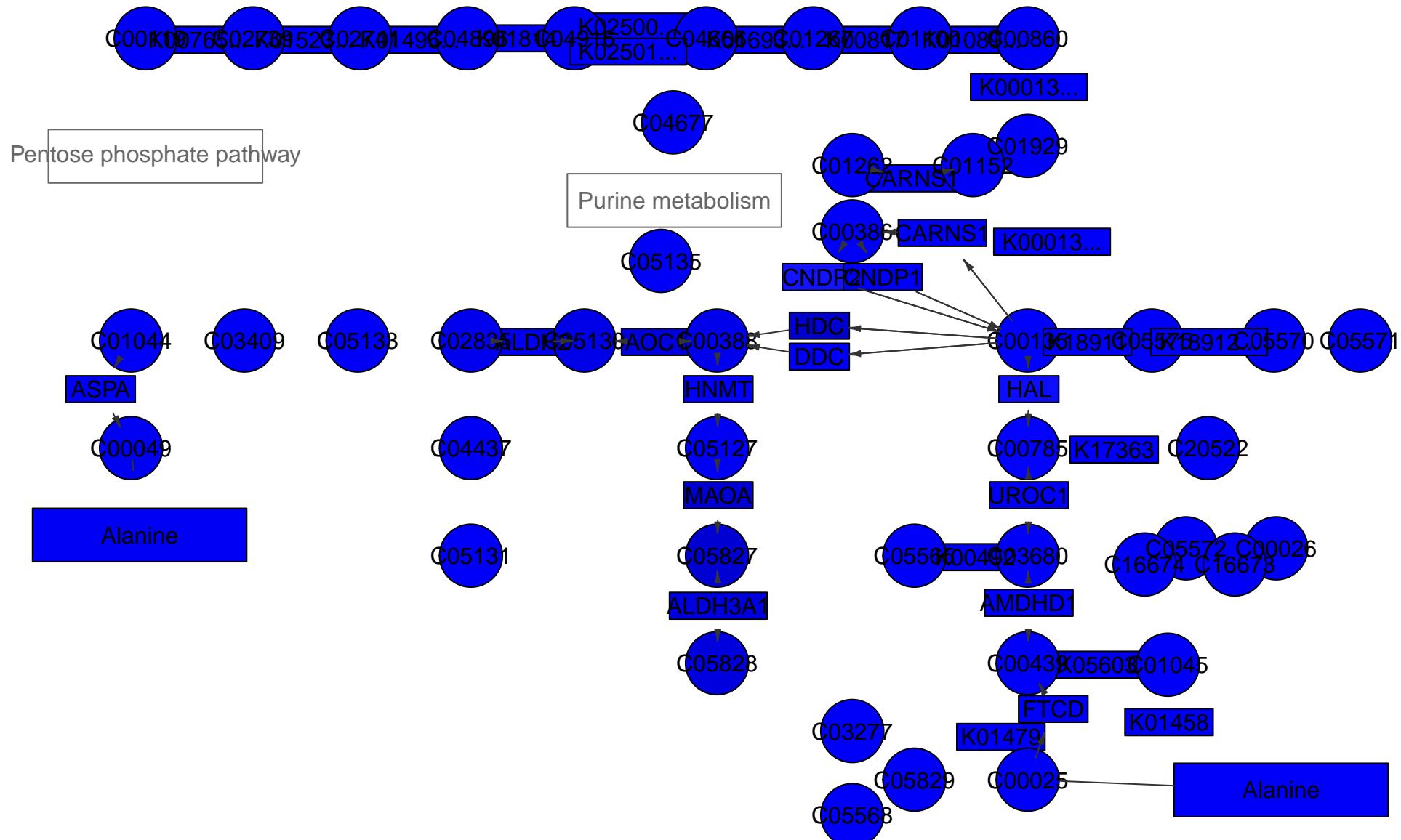
Histidine metabolism  
MPI-221



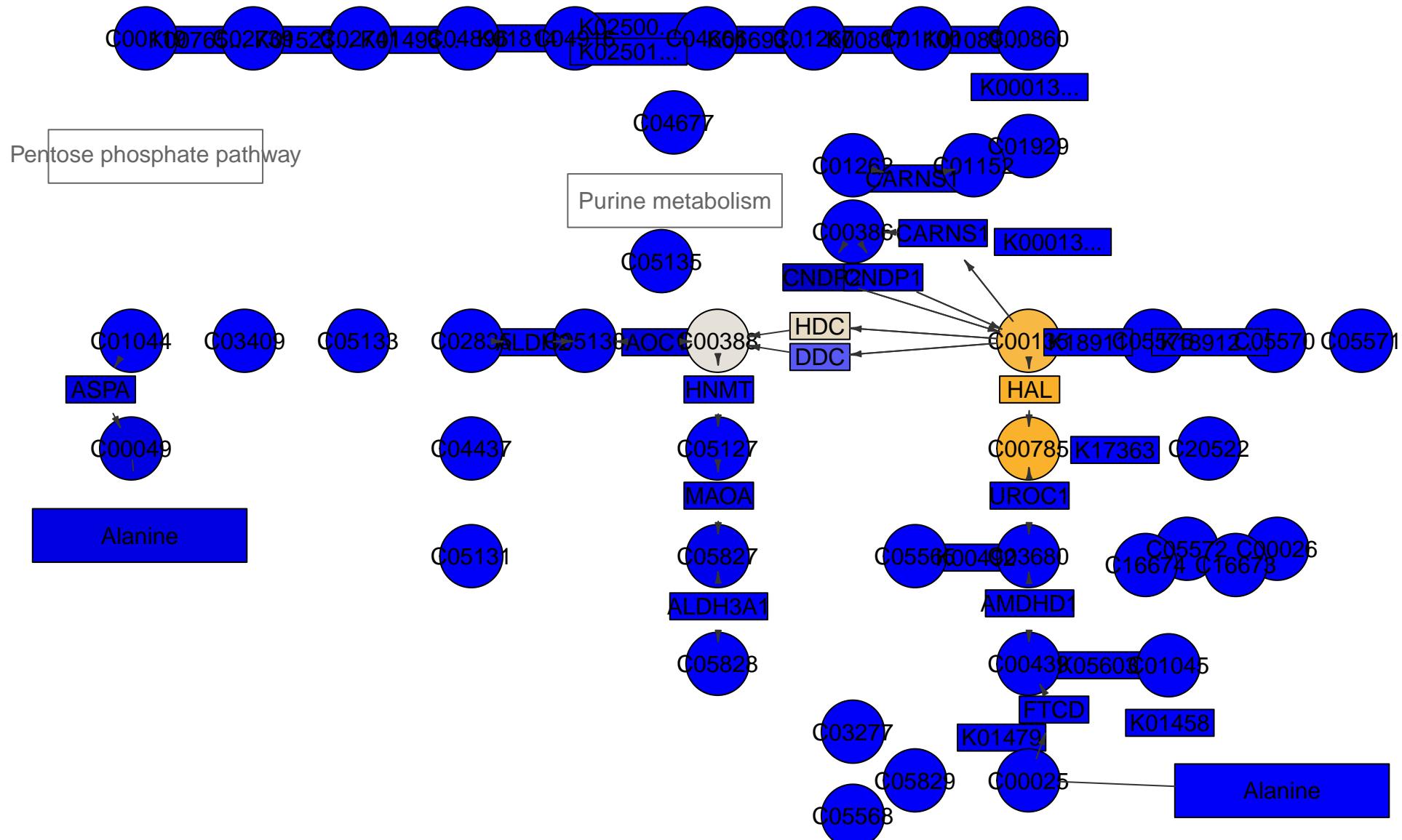
Histidine metabolism  
MPI-223a



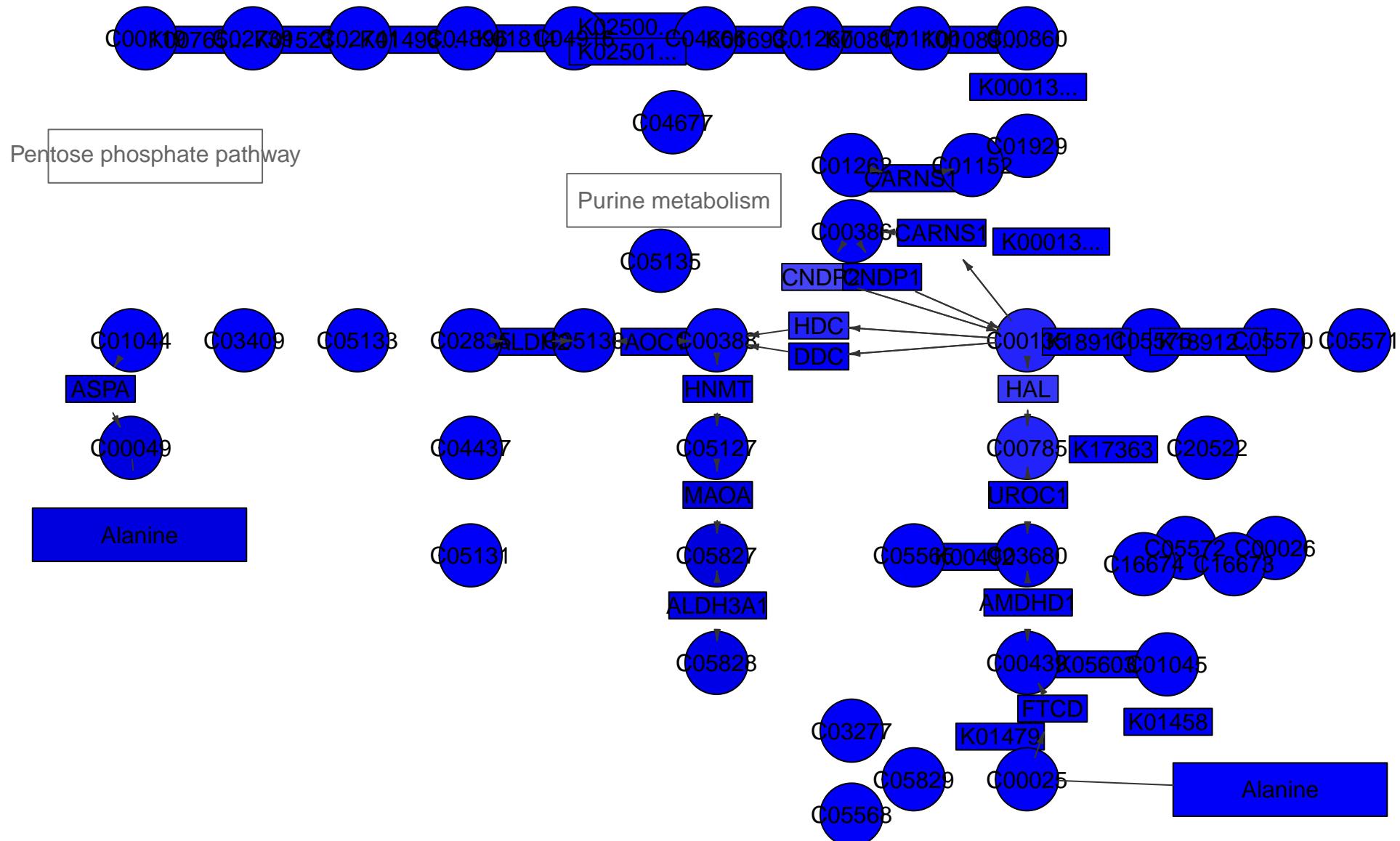
Histidine metabolism  
MPI-224



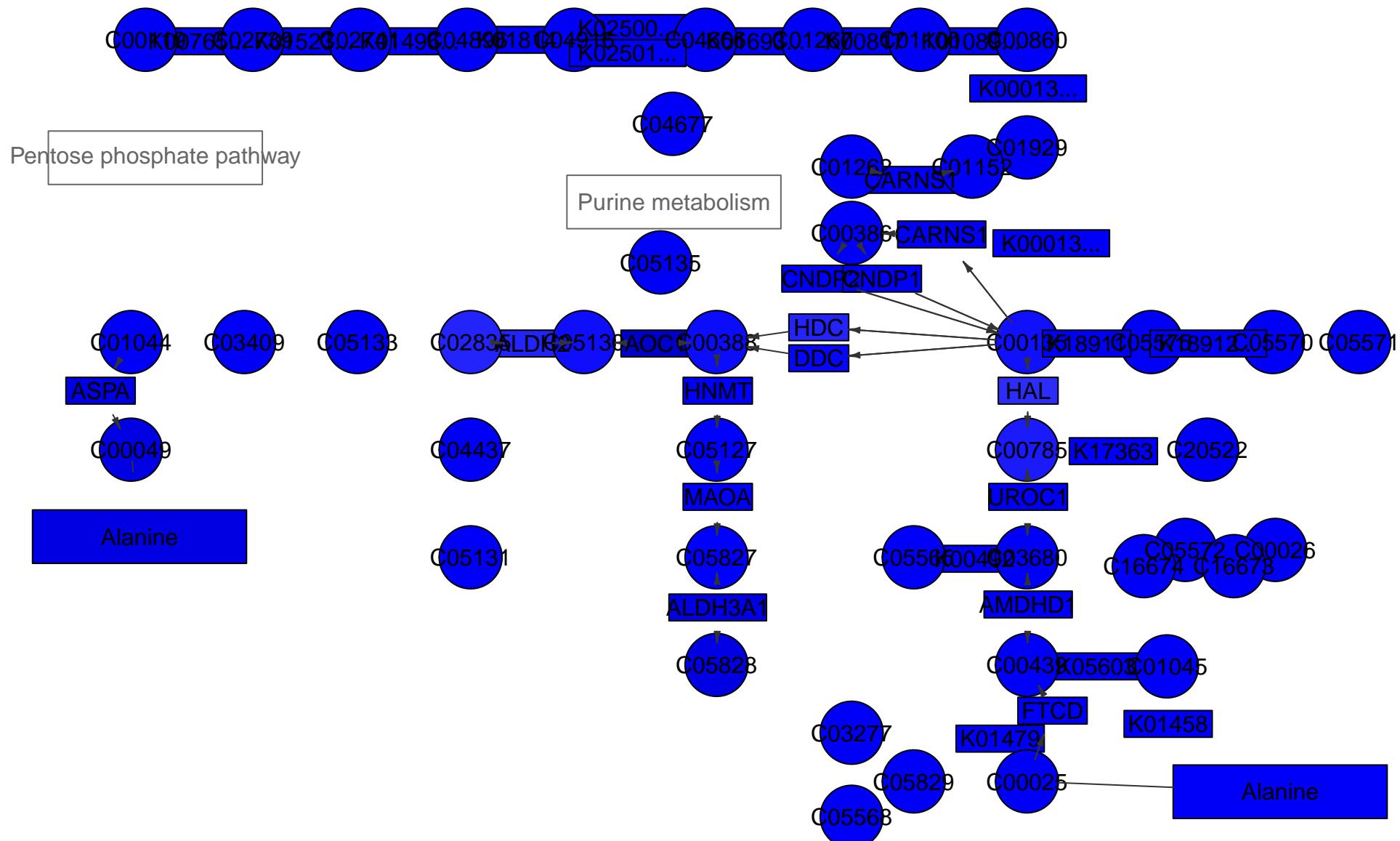
Histidine metabolism  
MPI-226



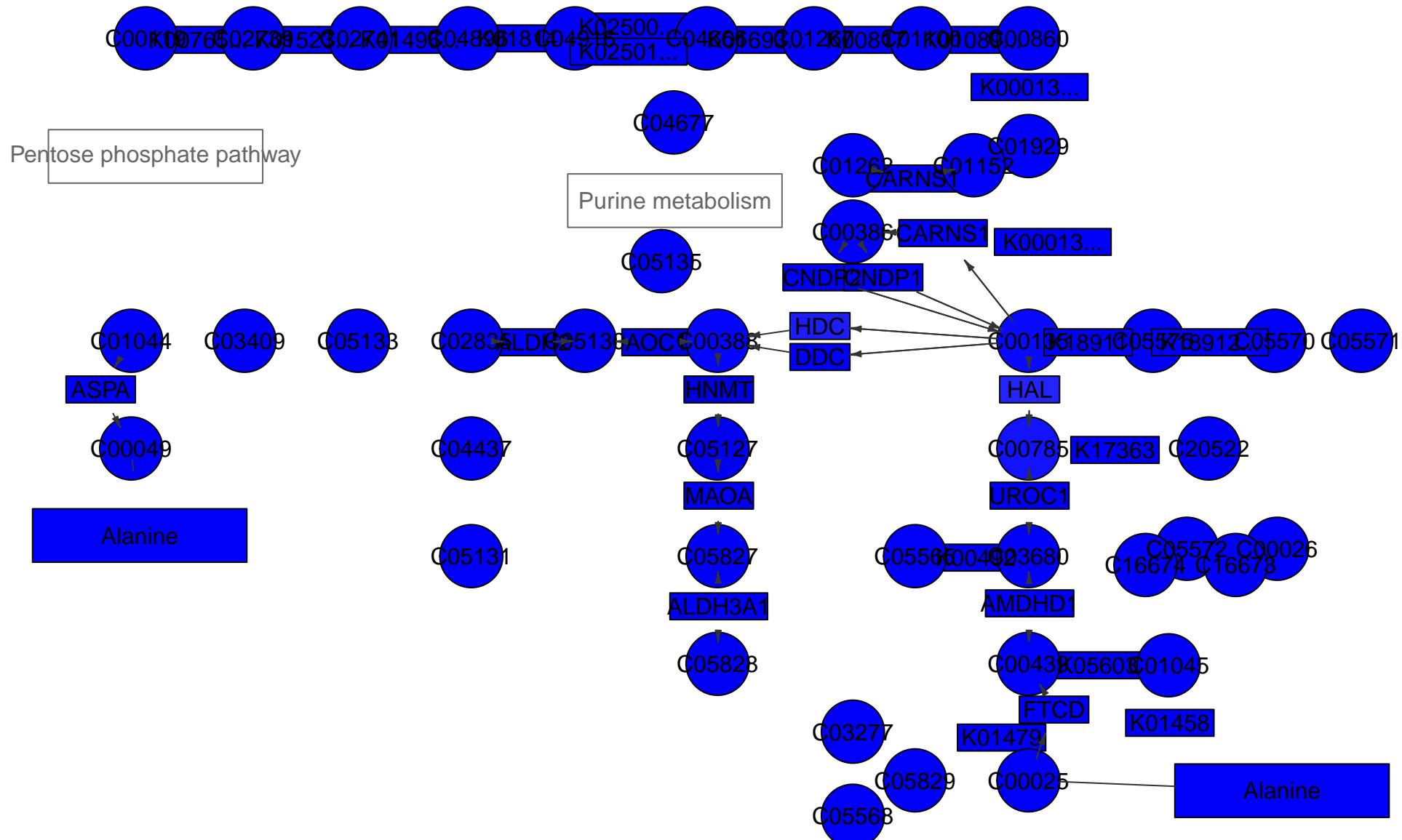
Histidine metabolism  
MPI-227



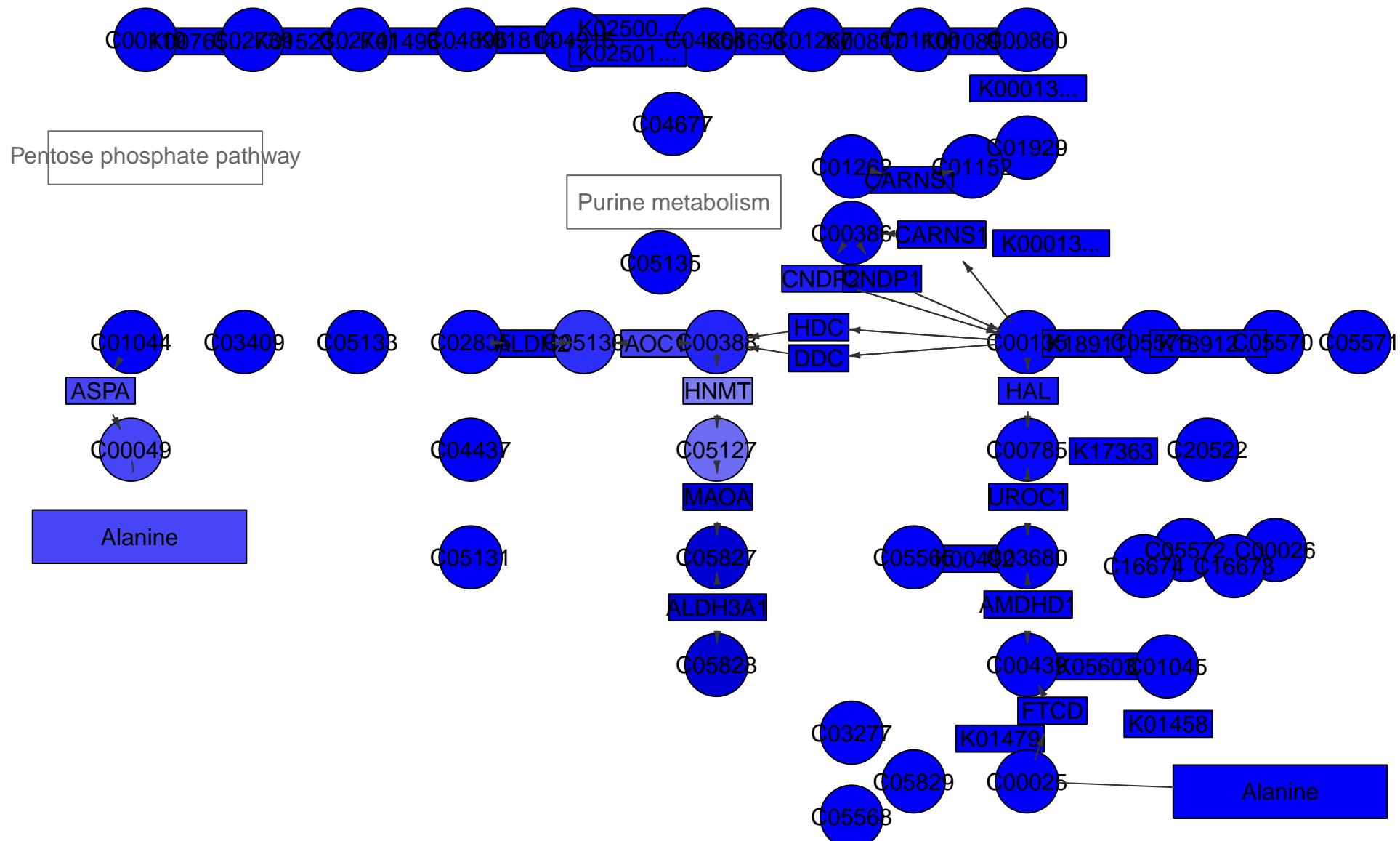
Histidine metabolism  
MPI-228



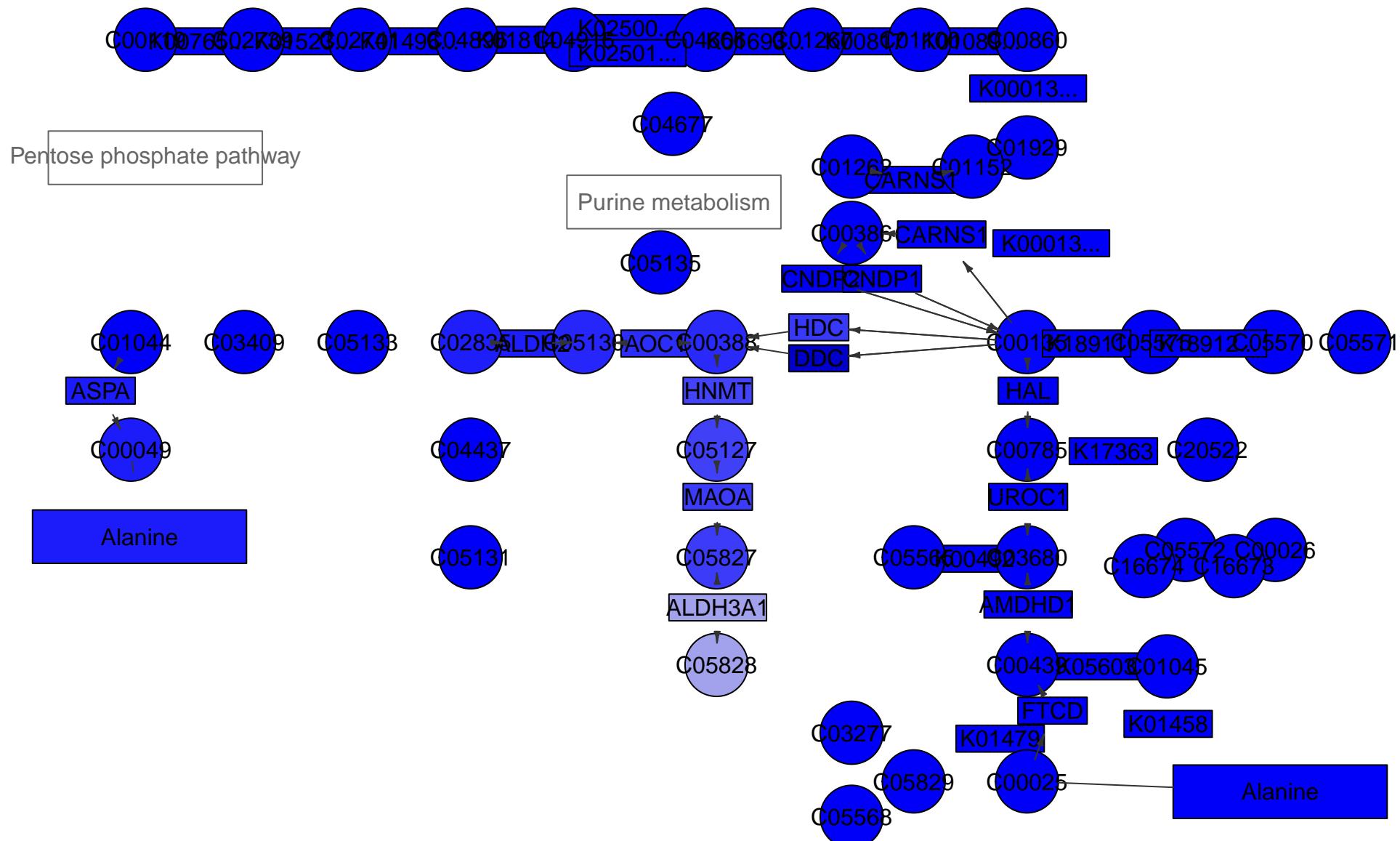
Histidine metabolism  
MPI-229



Histidine metabolism  
MPI-230

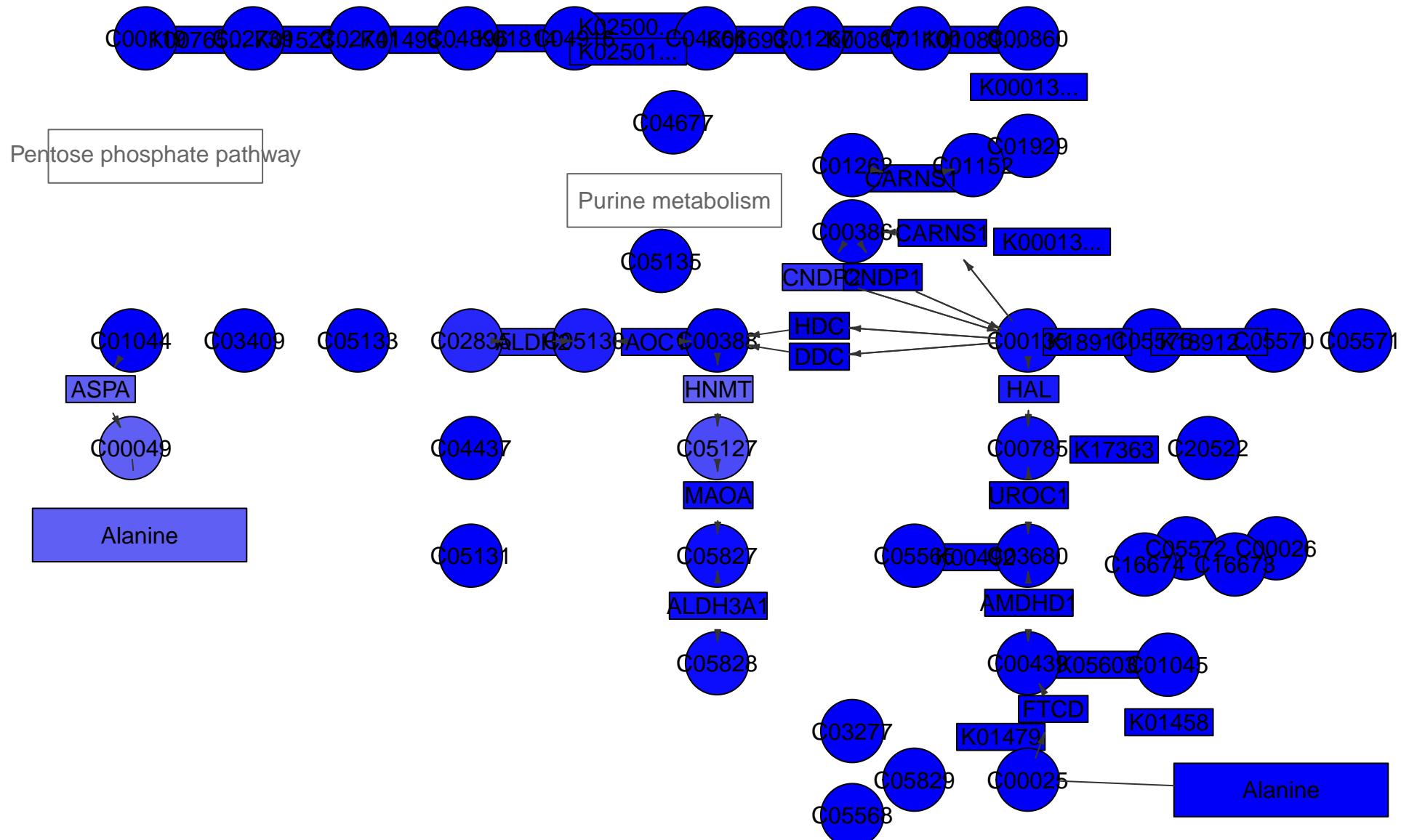


Histidine metabolism  
MPI-231

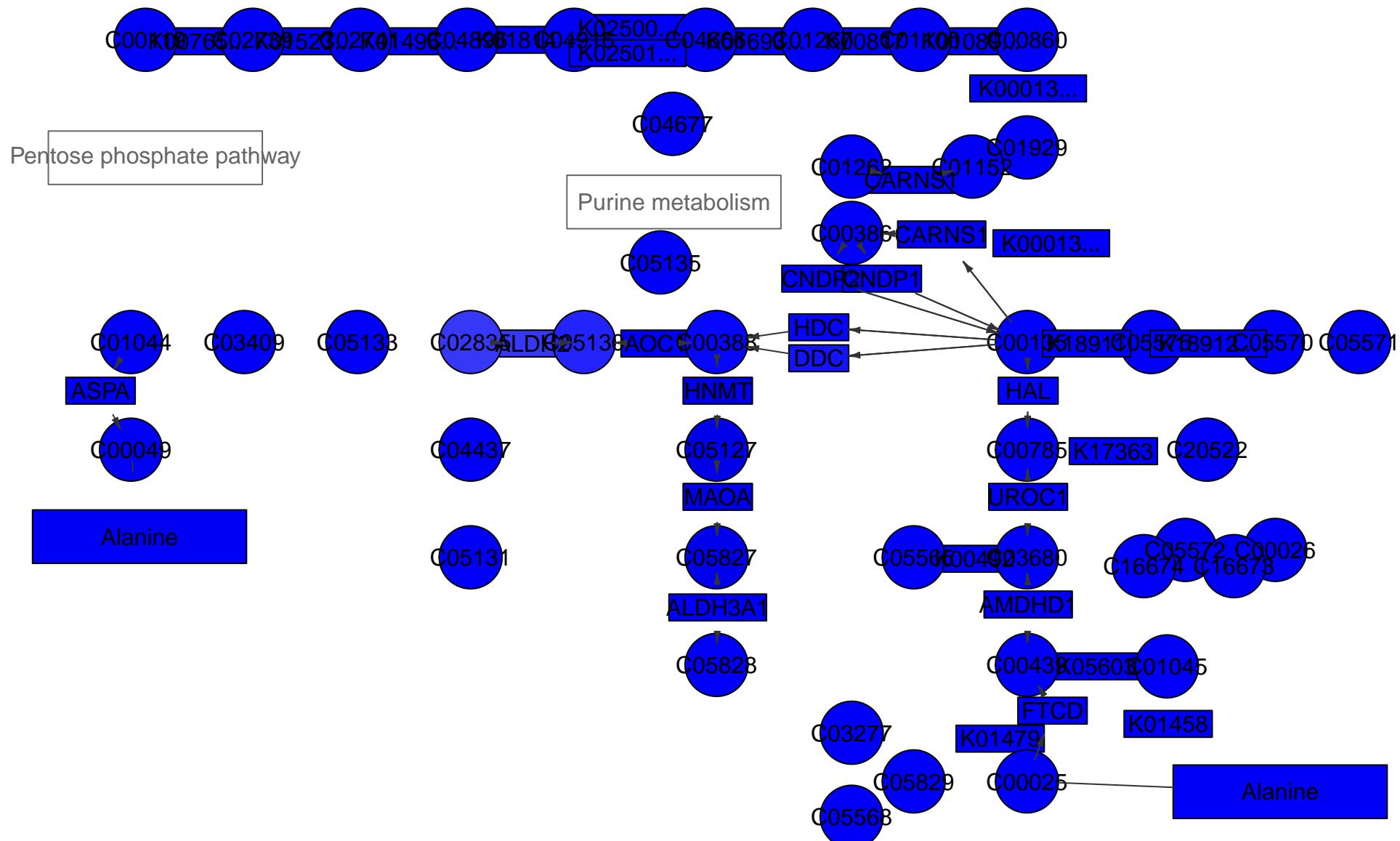


# Histidine metabolism

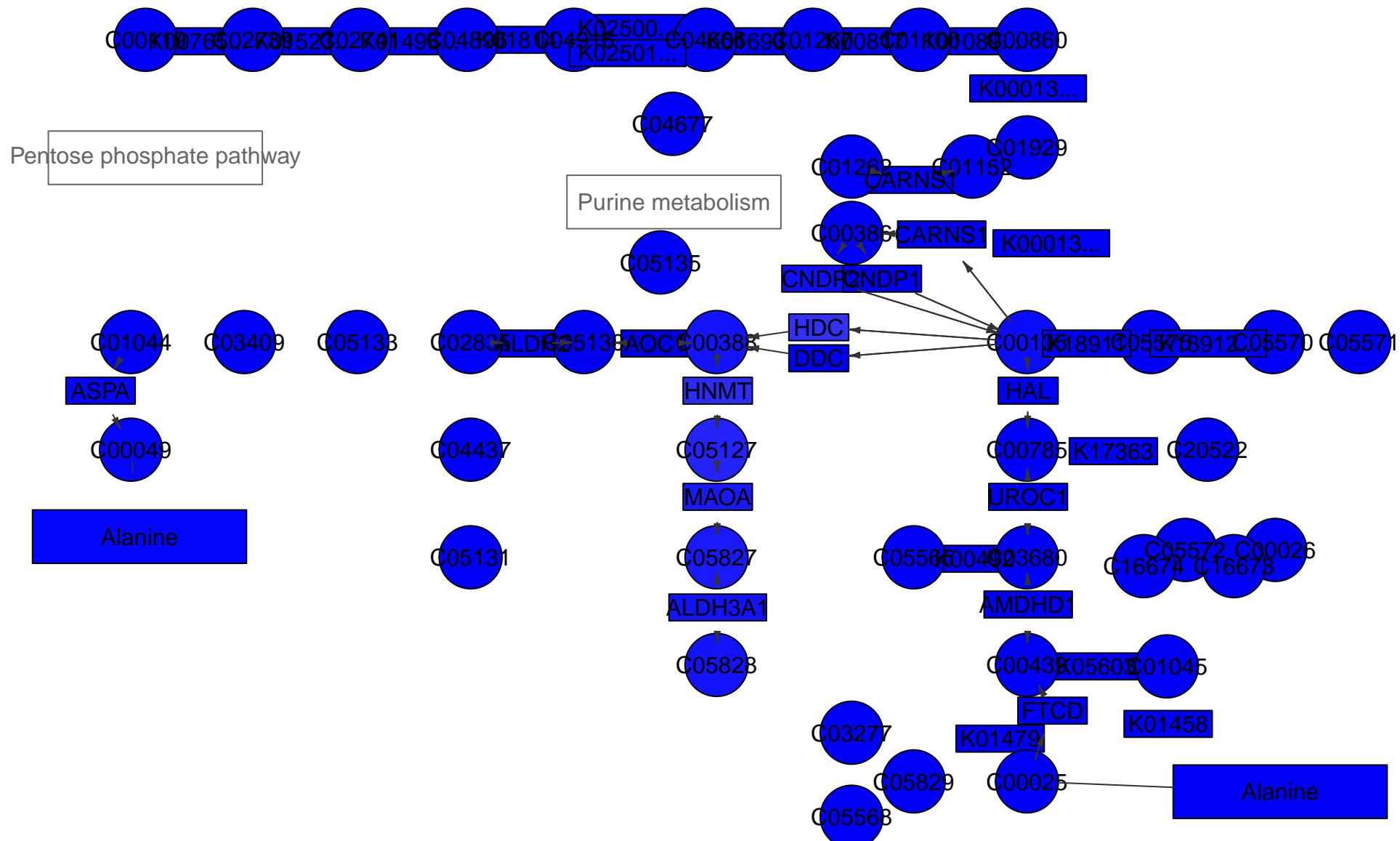
## MPI-232



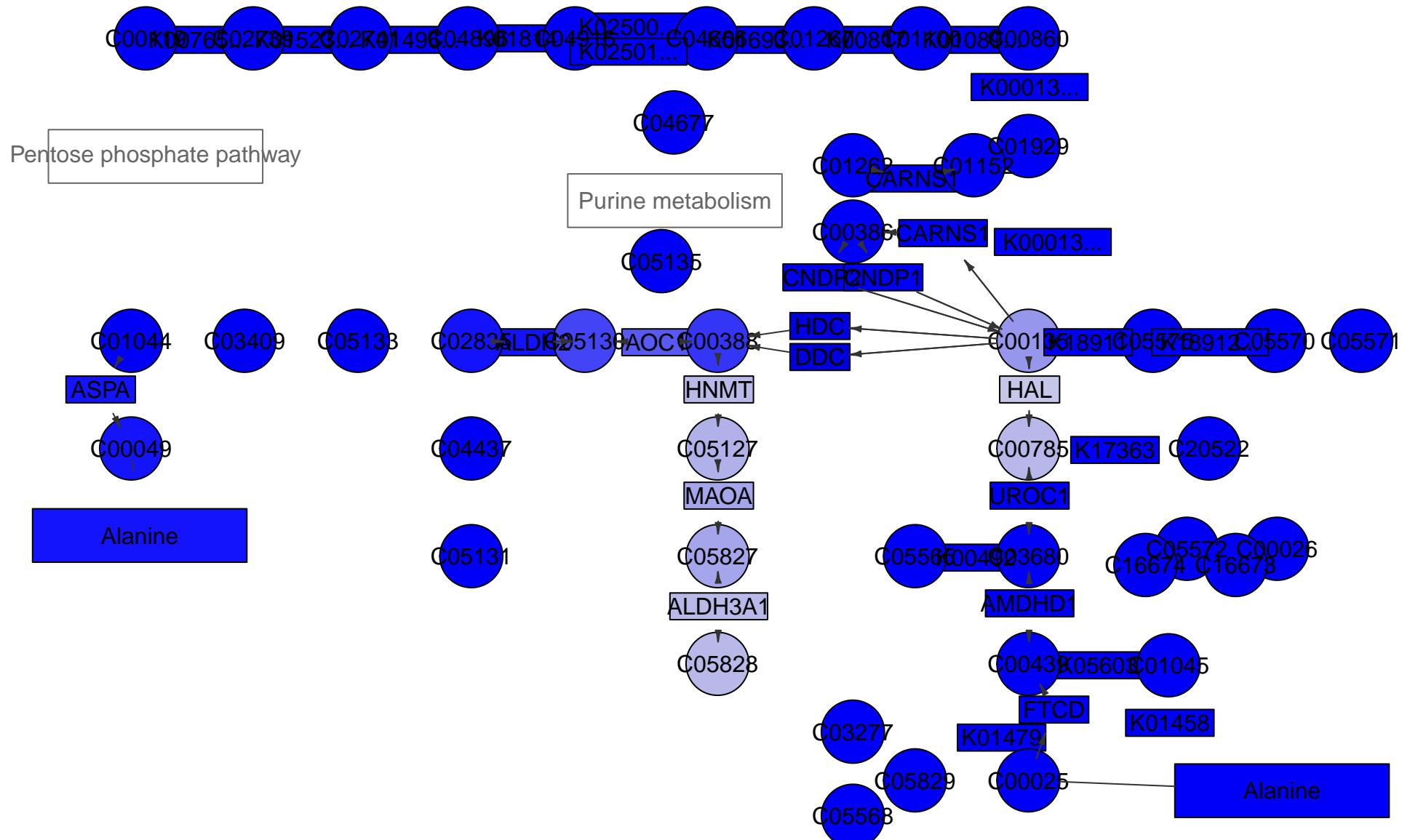
Histidine metabolism  
MPI-233



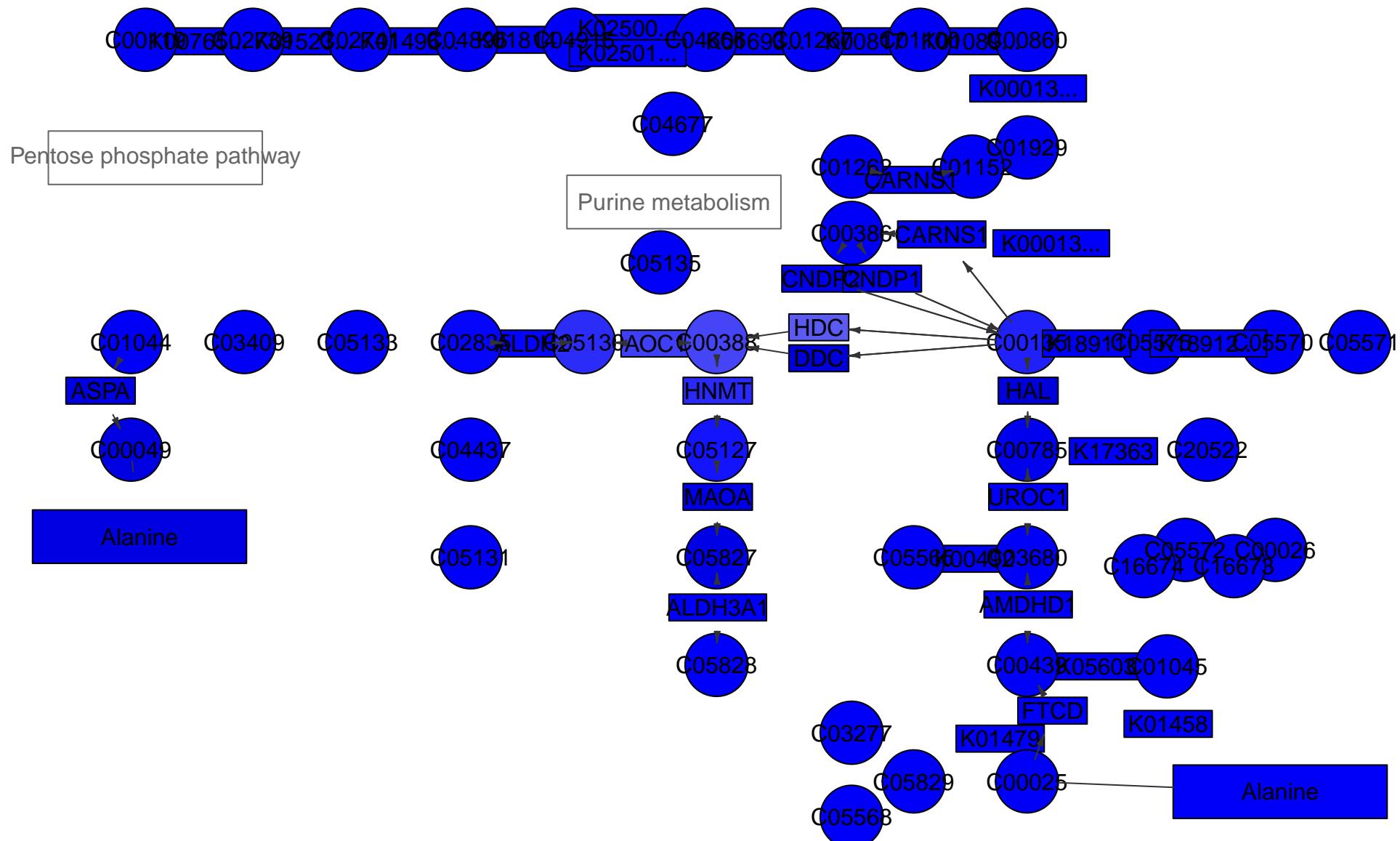
Histidine metabolism  
MPI-234



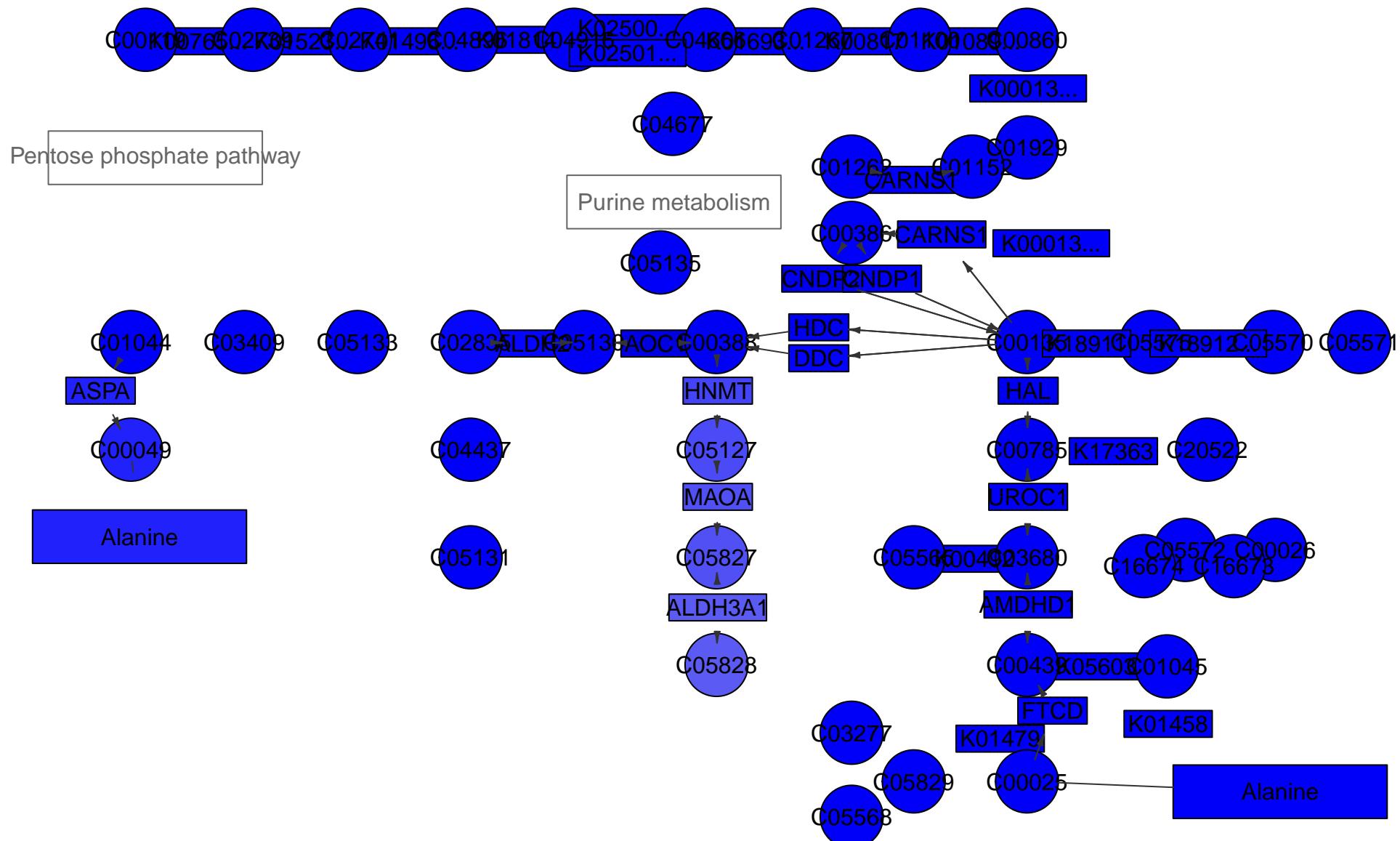
Histidine metabolism  
MPI-235



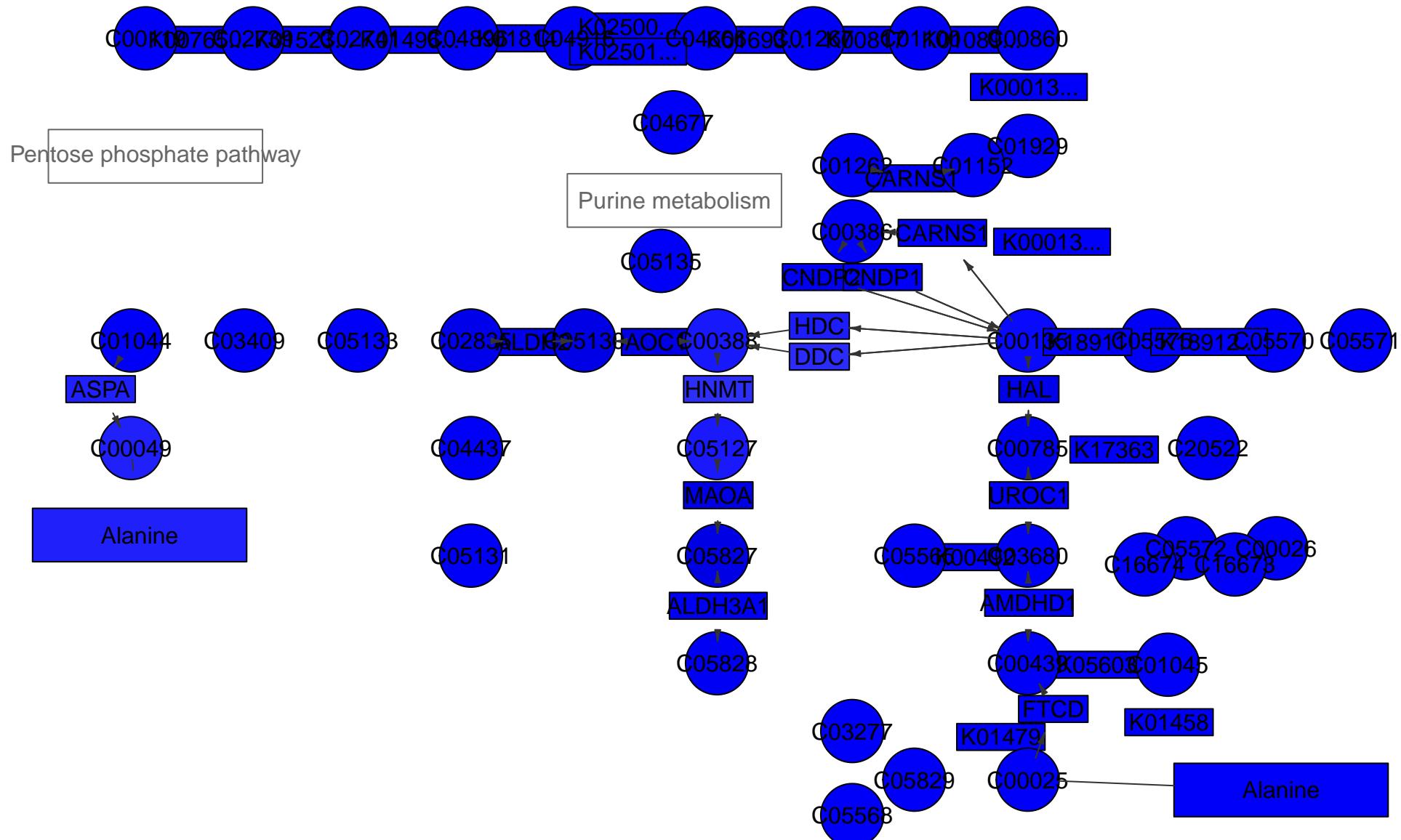
Histidine metabolism  
MPI-236



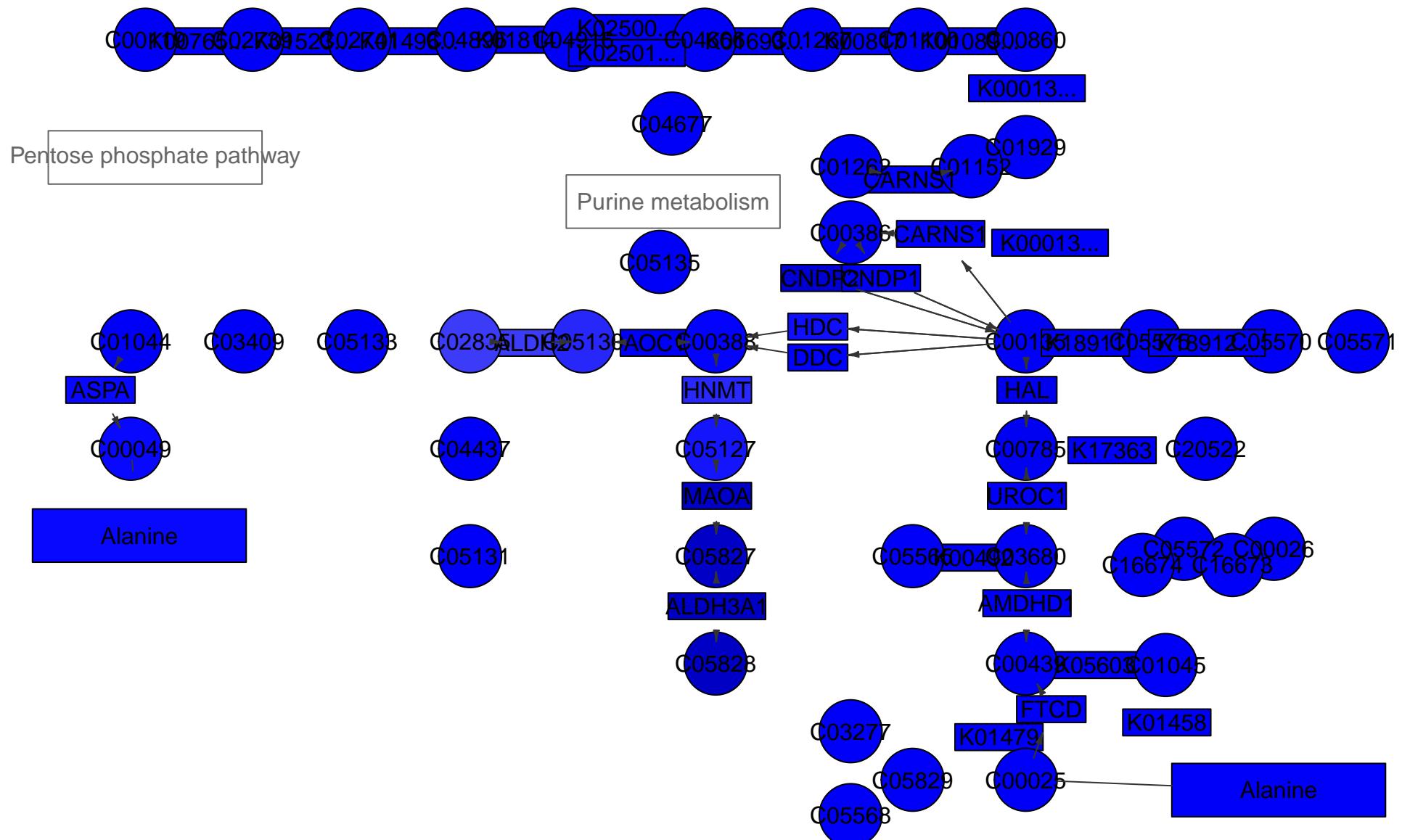
Histidine metabolism  
MPI-237



Histidine metabolism  
MPI-239

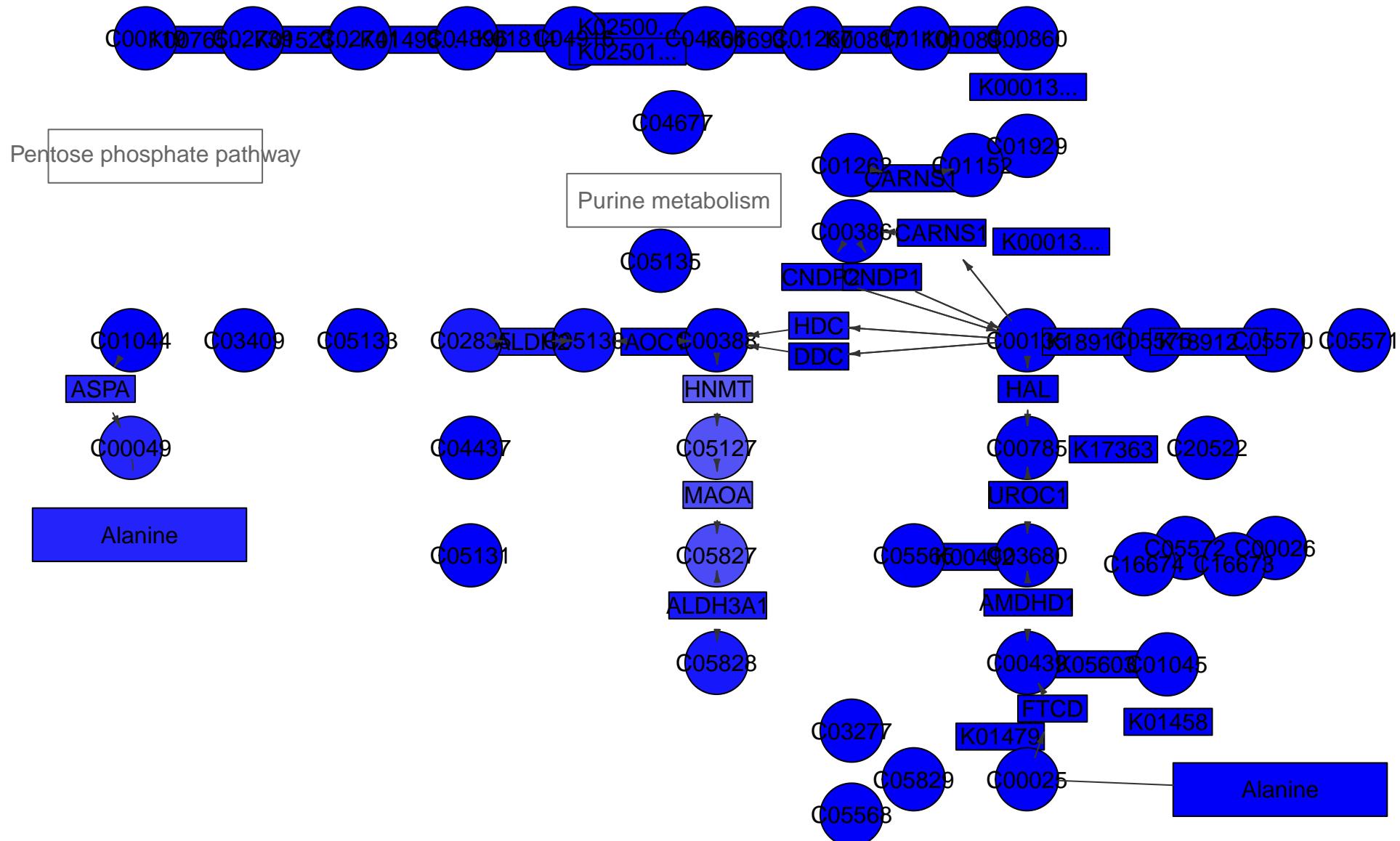


Histidine metabolism  
MPI-241

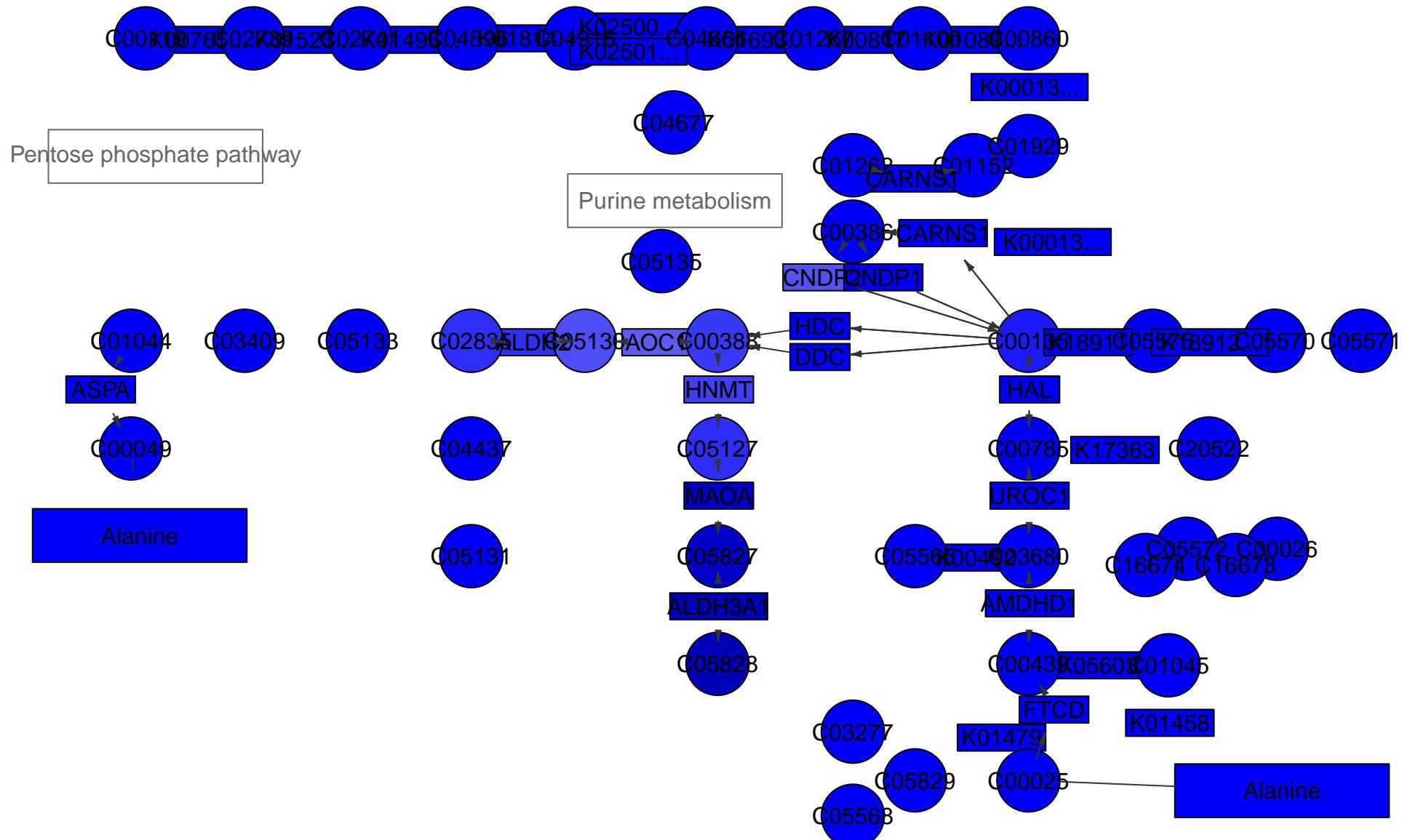


# Histidine metabolism

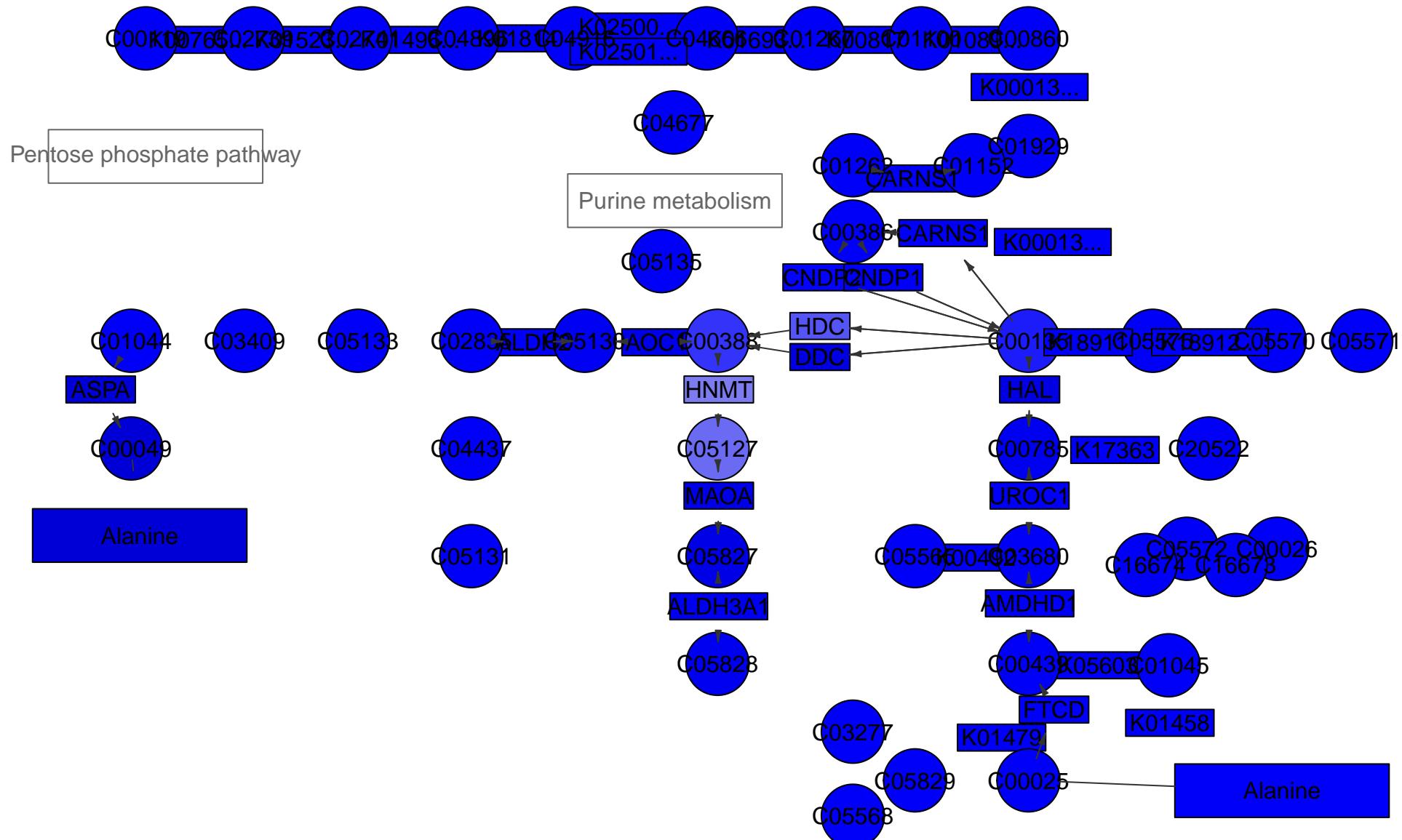
## MPI-243



Histidine metabolism  
MPI-244

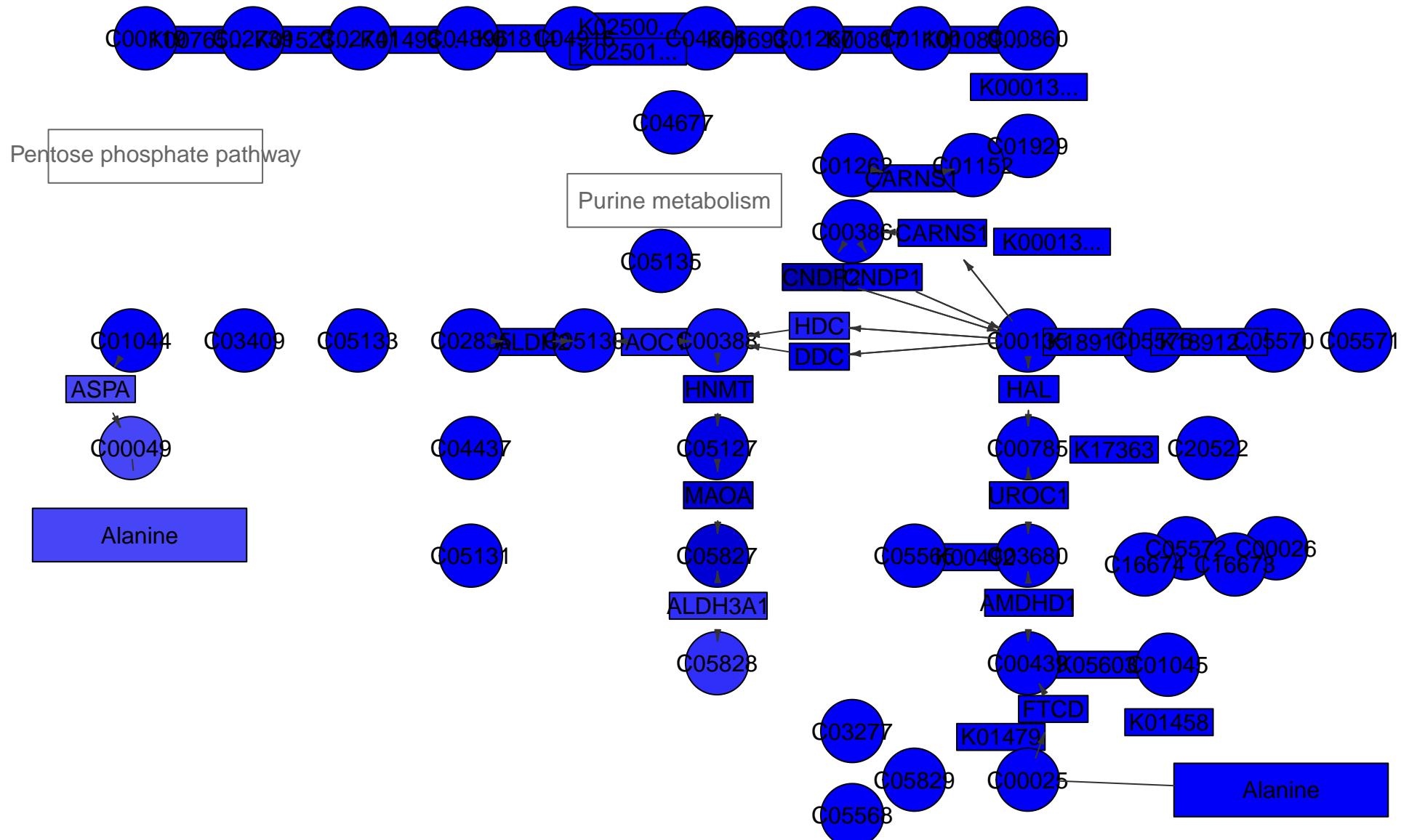


Histidine metabolism  
MPI-246



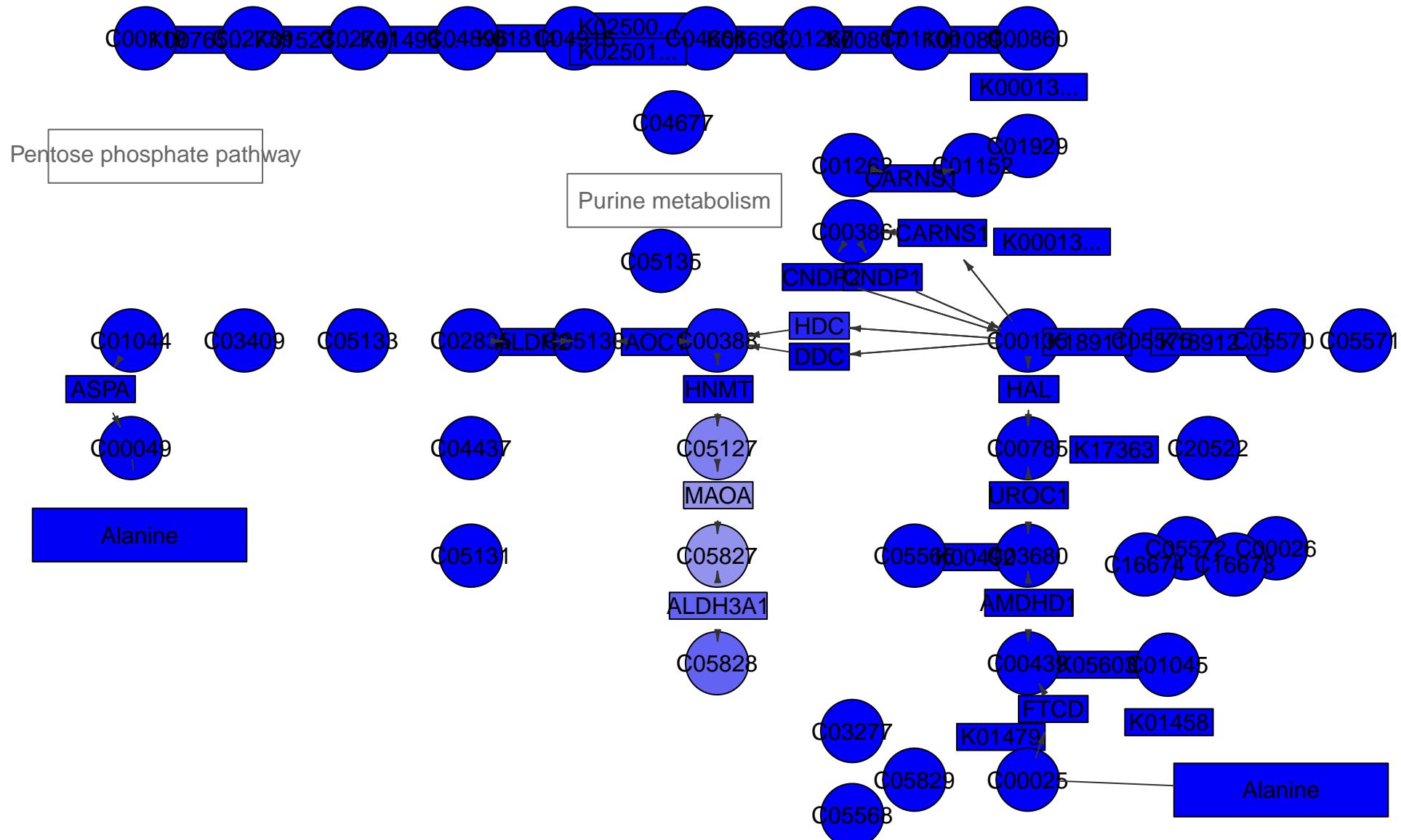
# Histidine metabolism

## MPI-247



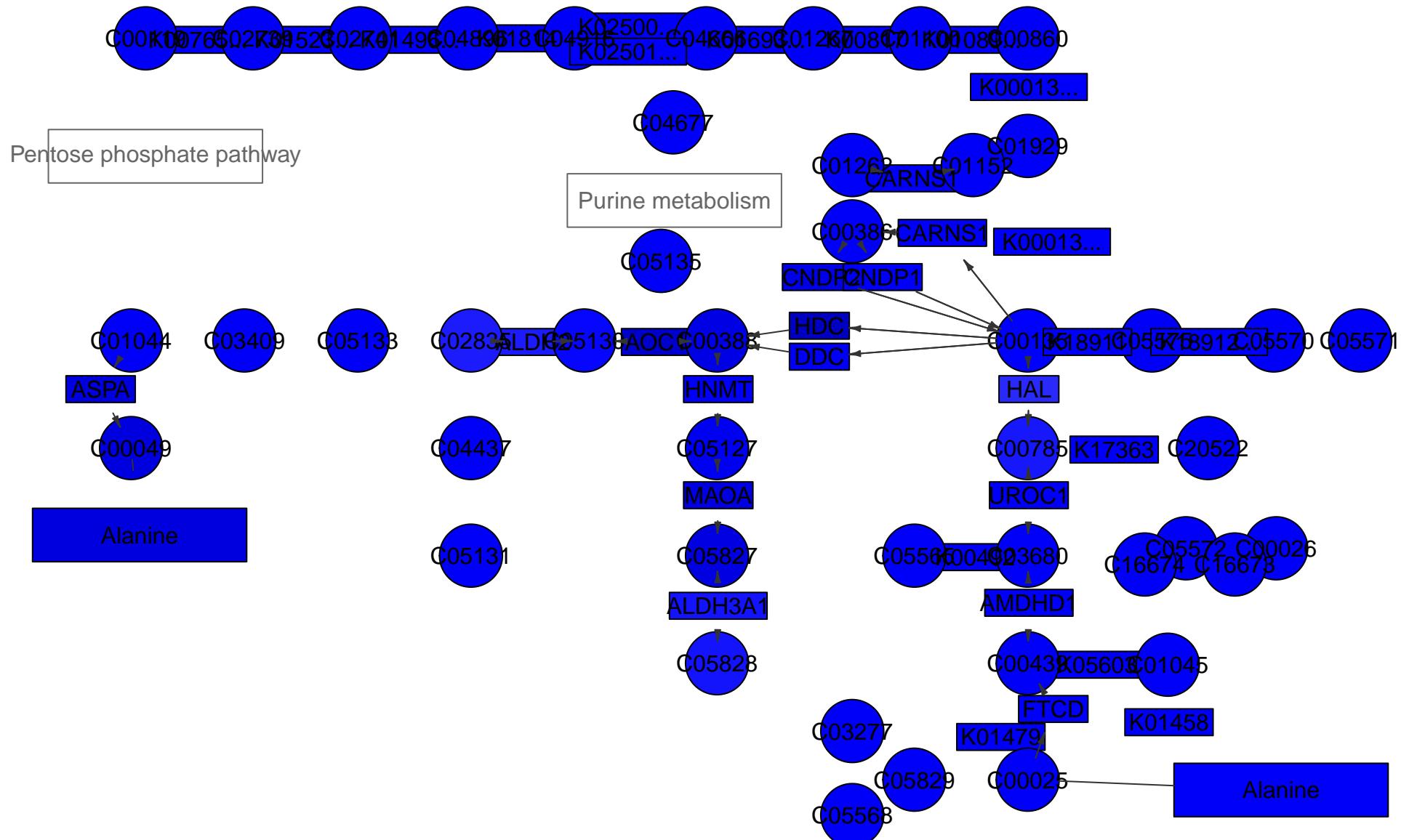
# Histidine metabolism

## MPI-251



# Histidine metabolism

## MPI-255



Histidine metabolism  
MPI-223b

