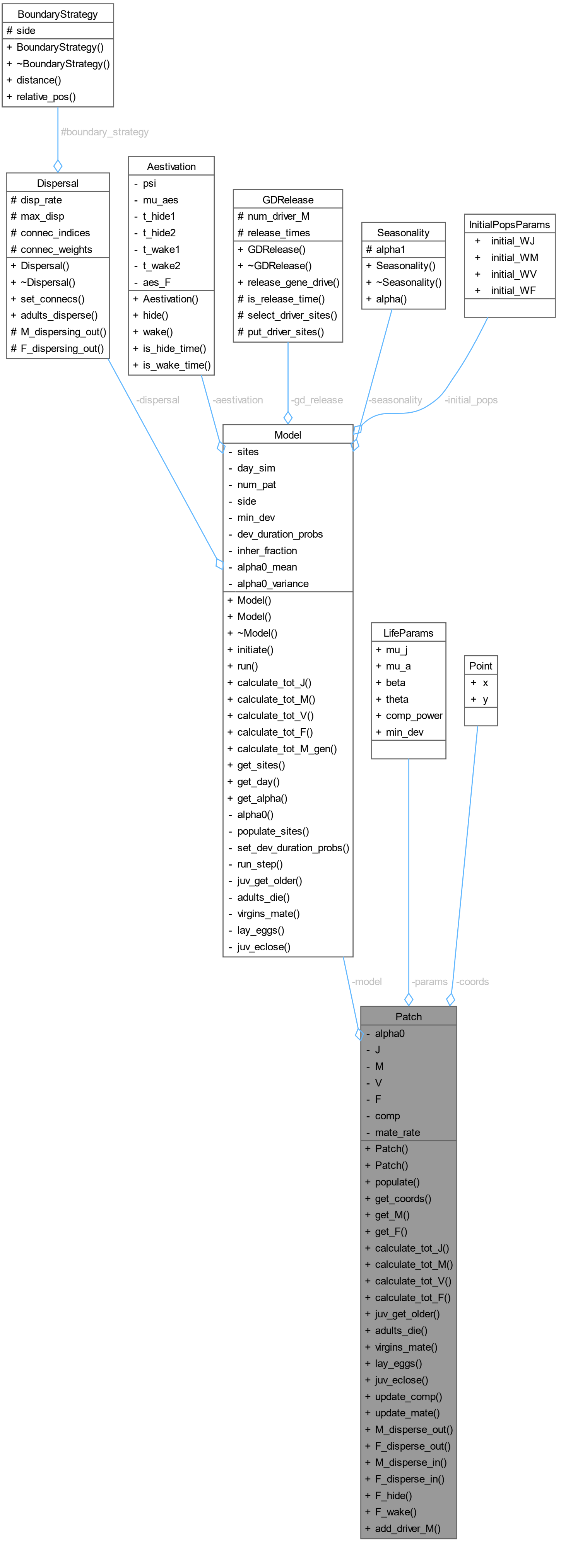
BoundaryStrategy
side
+ BoundaryStrategy()
+ ~BoundaryStrategy()
+ distance()
+ relative_pos()
#boundary_strategy
Dispersal
disp_rate
max_disp
connec_indices
connec_weights
+ Dispersal()
+ ~Dispersal()
+ set_connecs()
+ adults_disperse()
# M_dispersing_out()
# F_dispersing_out()
Aestivation
- psi
- mu_aes
- t_hide1
- t_hide2
- t_wake1
- t_wake2
- aes_F
+ Aestivation()
+ hide()
+ wake()
+ is_hide_time()
+ is_wake_time()
GDRelease
num_driver_M
release_times
+ GDRelease()
+ ~GDRelease()
+ release_gene_drive()
# is_release_time()
# select_driver_sites()
# put_driver_sites()
Seasonality
alpha1
+ Seasonality()
+ ~Seasonality()
+ alpha()
InitialPopsParams
+ initial_WJ
+ initial_WM
+ initial_WV
+ initial_WF
-dispersal
-aestivation
-gd_release
-seasonality
-initial_pops
Model
- sites
- day_sim
- num_pat
- side
- min_dev
- dev_duration_probs
- inher_fraction
- alpha0_mean
- alpha0_variance
+ Model()
+ Model()
+ ~Model()
+ initiate()
+ run()
+ calculate_tot_J()
+ calculate_tot_M()
+ calculate_tot_V()
+ calculate_tot_F()
+ calculate_tot_M_gen()
+ get_sites()
+ get_day()
+ get_alpha()
- alpha0()
- populate_sites()
- set_dev_duration_probs()
- run_step()
- juv_get_older()
- adults_die()
- virgins_mate()
- lay_eggs()
- juv_eclose()
LifeParams
+ mu_j
+ mu_a
+ beta
+ theta
+ comp_power
+ min_dev
Point
+ x
+ y
-model
-params
-coords
Patch
- alpha0
- J
- M
- V
- F
- comp
- mate_rate
+ Patch()
+ Patch()
+ populate()
+ get_coords()
+ get_M()
+ get_F()
+ calculate_tot_J()
+ calculate_tot_M()
+ calculate_tot_V()
+ calculate_tot_F()
+ juv_get_older()
+ adults_die()
+ virgins_mate()
+ lay_eggs()
+ juv_eclose()
+ update_comp()
+ update_mate()
+ M_disperse_out()
+ F_disperse_out()
+ M_disperse_in()
+ F_disperse_in()
+ F_hide()
+ F_wake()
+ add_driver_M()