

# Legend

Classic  
gossip  
processing

Semantic  
gossip  
processing

function

## Consensus

broadcast

deliver

broadcast  
and receive  
queue

check  
duplicates

drop duplicated  
messaages

Message Forwarding

send  
queue 1

...

send  
queue k

Send  
routine 1

...

Send  
routine k

“Black-box”  
Gossip

Network

## BFT Consensus

broad  
cast

deli  
ver

disaggre  
gate  
function

Signature  
verification

validate  
function

aggregate  
function

Consensus functions  
for semantic  
Gossip

broadcast  
queue

delivery  
queue

check  
duplicates

drop duplicated  
messaages

delivered with  
verified signature

verified  
queue

filter

drop filtered  
messages

aggre  
gate

Semantic  
Gossip

Message Forwarding

send  
queue 1

...

send  
queue k

Send  
routine 1

...

Send  
routine k

Network