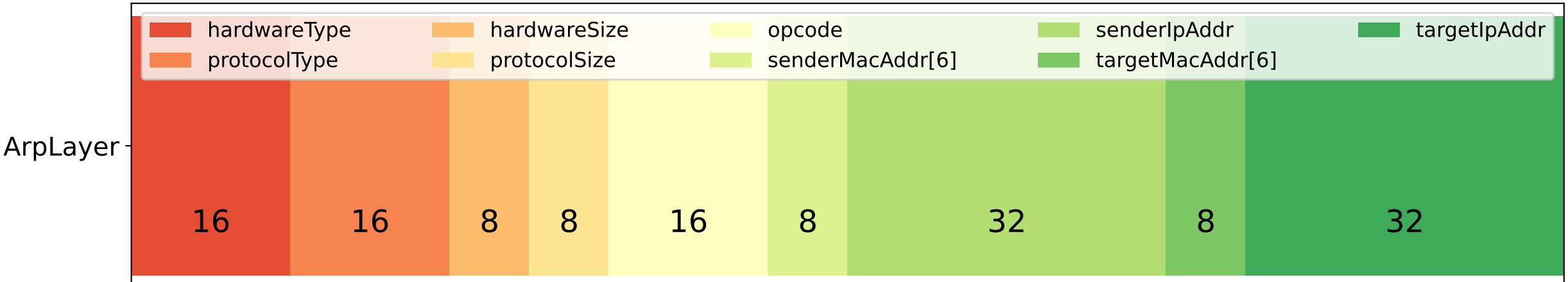
hardwareType
hardwareSize
opcode
senderIpAddr
targetIpAddr
protocolType
protocolSize
senderMacAddr[6]
targetMacAddr[6]
ArpLayer
16
16
8
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16
8
32
8
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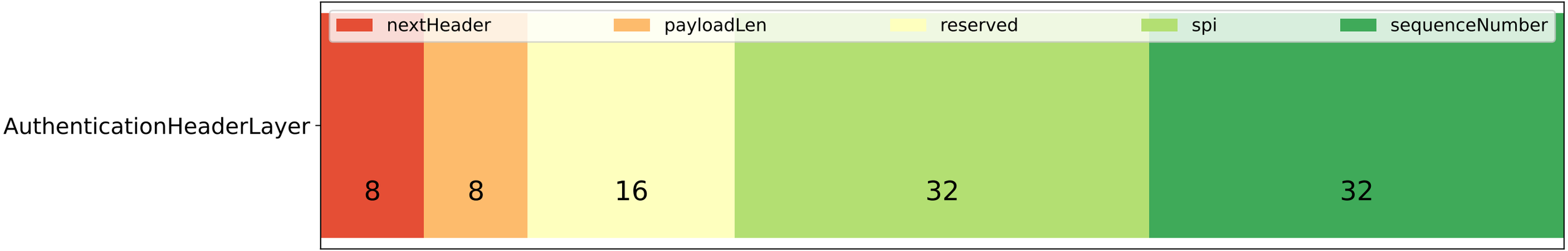
nextHeader
payloadLen
reserved
spi
sequenceNumber
AuthenticationHeaderLayer
8
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32
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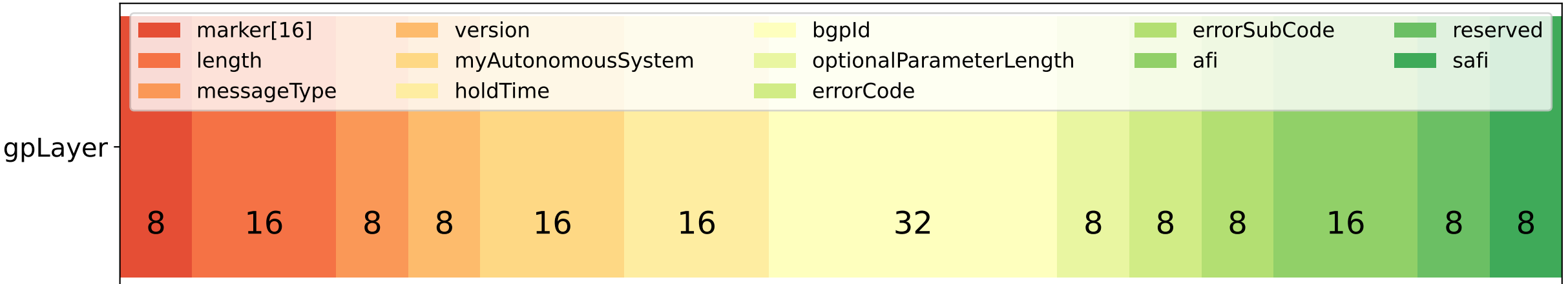
marker[16]
length
messageType
version
myAutonomousSystem
holdTime
bgpId
optionalParameterLength
errorCode
errorSubCode
afi
reserved
safi
gpLayer
8
16
8
8
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16
32
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8
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8
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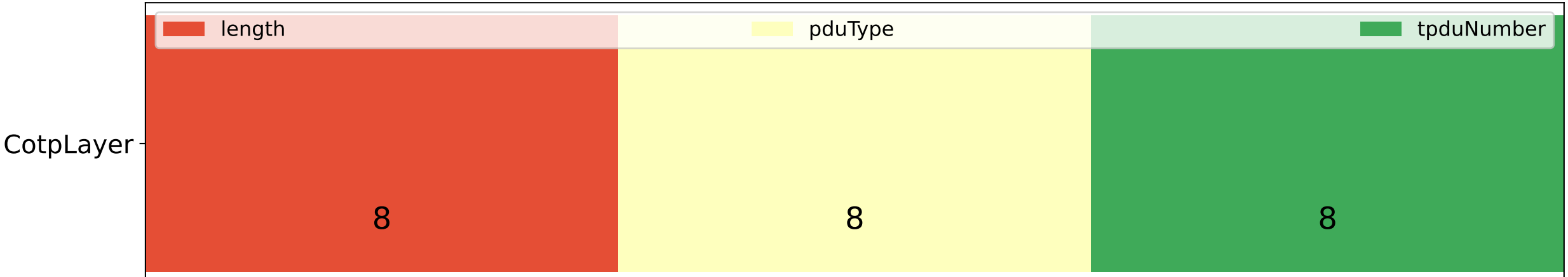
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pduType
tpduNumber
CotpLayer
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8
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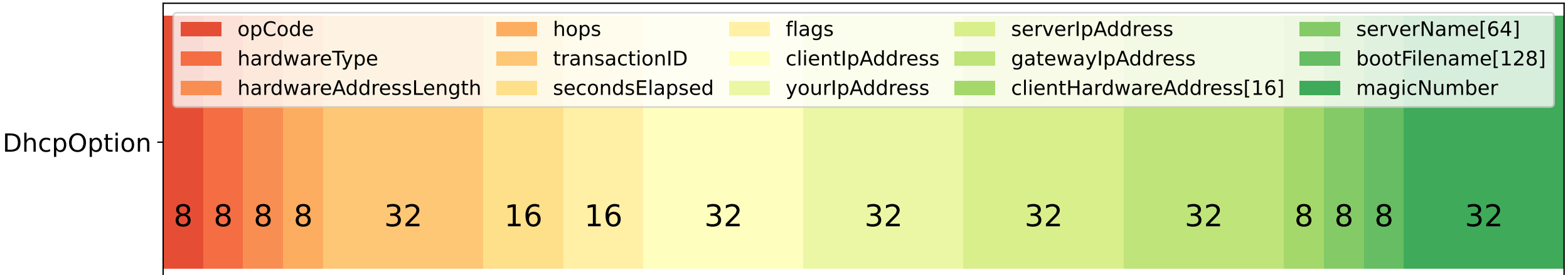
DhcpOption
opCode
hardwareType
hardwareAddressLength
hops
transactionID
secondsElapsed
flags
clientIpAddress
yourIpAddress
serverIpAddress
gatewayIpAddress
clientHardwareAddress[16]
serverName[64]
bootFilename[128]
magicNumber
8
8
8
8
32
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32
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8
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8
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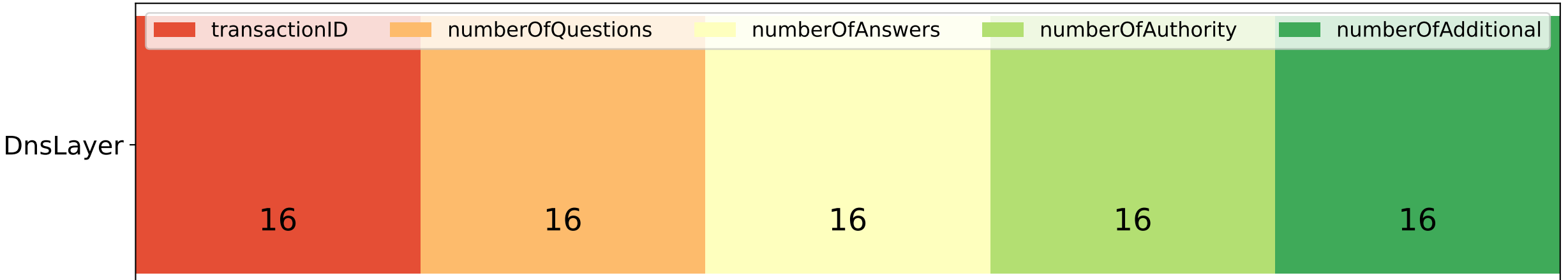
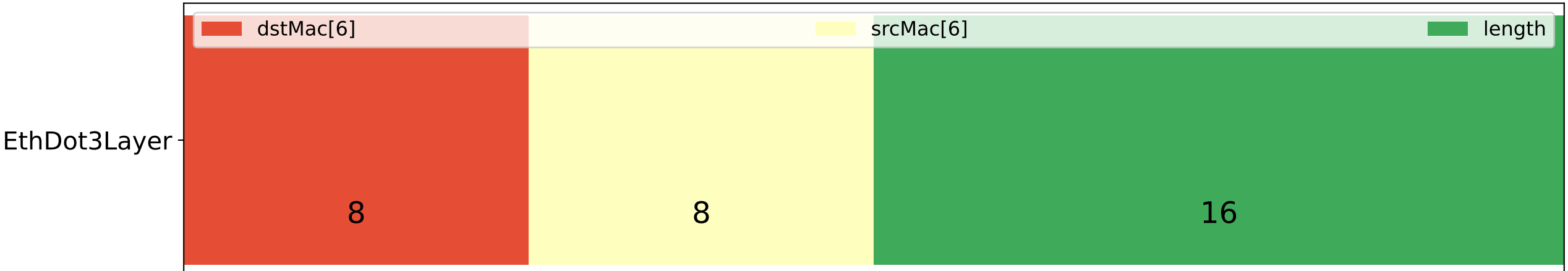
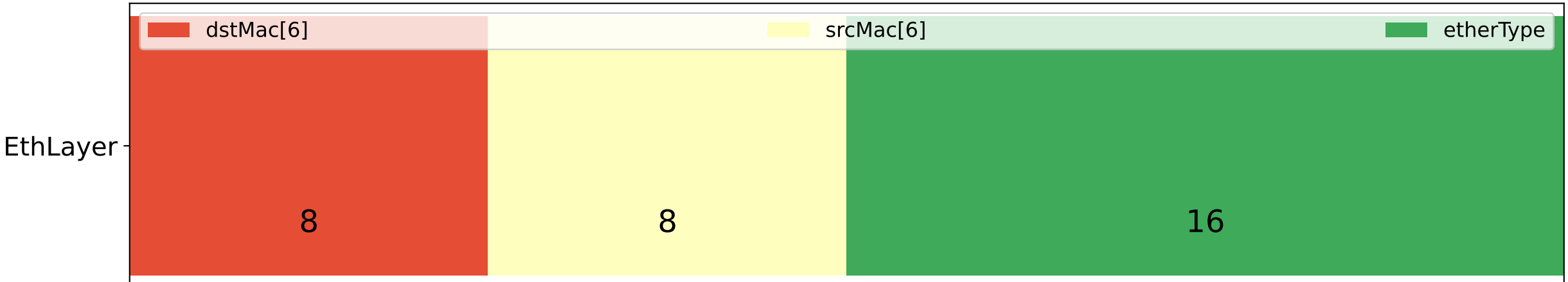
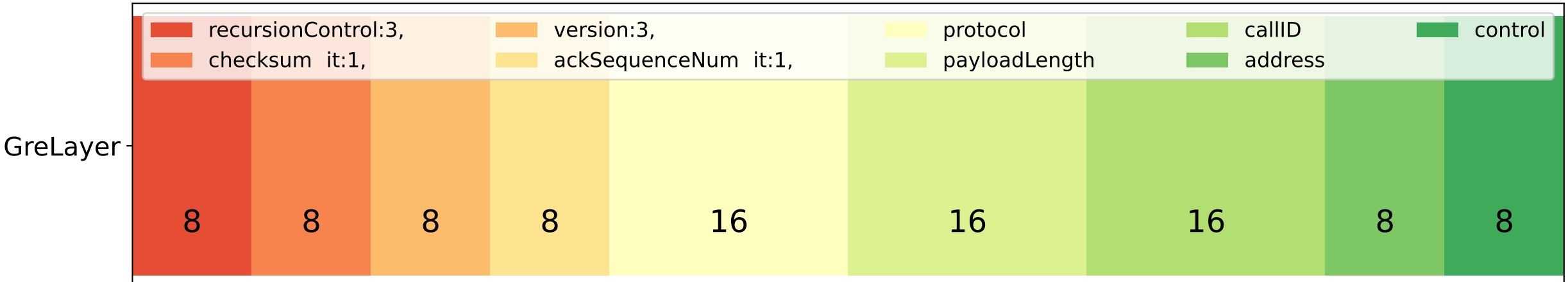
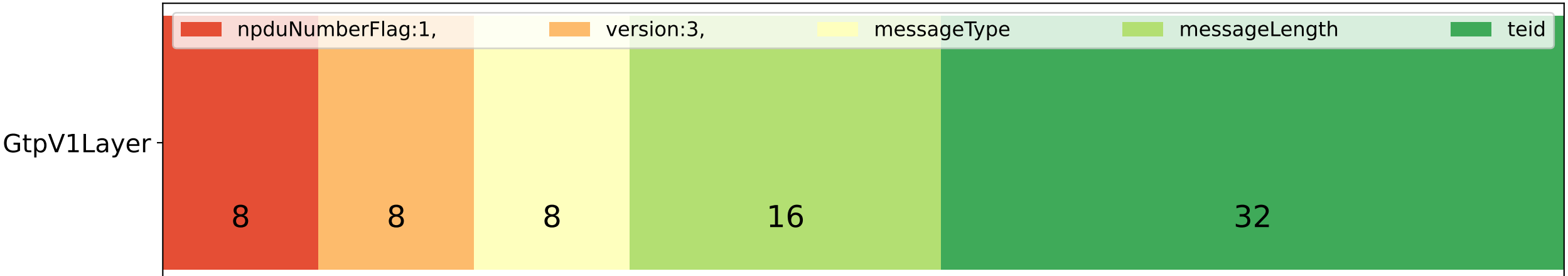
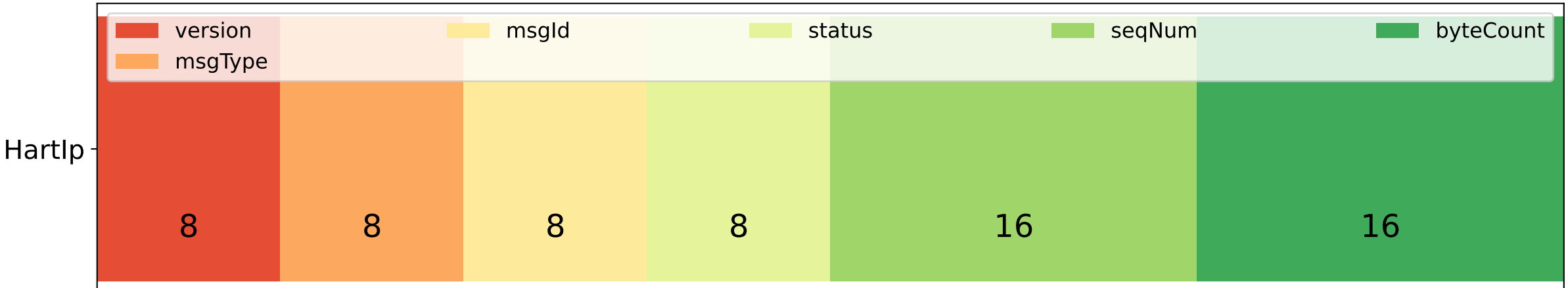

transactionID
numberOfQuestions
numberOfAnswers
numberOfAuthority
numberOfAdditional
DnsLayer
16
16
16
16
16


dstMac[6]
srcMac[6]
length
EthDot3Layer
8
8
16


dstMac[6]
srcMac[6]
etherType
EthLayer
8
8
16


recursionControl:3,
checksum it:1,
version:3,
ackSequenceNum it:1,
protocol
payloadLength
callID
address
control
GreLayer
8
8
8
8
16
16
16
8
8


GtpV1Layer
npduNumberFlag:1,
version:3,
messageType
messageLength
teid
8
8
8
16
32


version
msgType
msgId
status
seqNum
byteCount
HartIp
8
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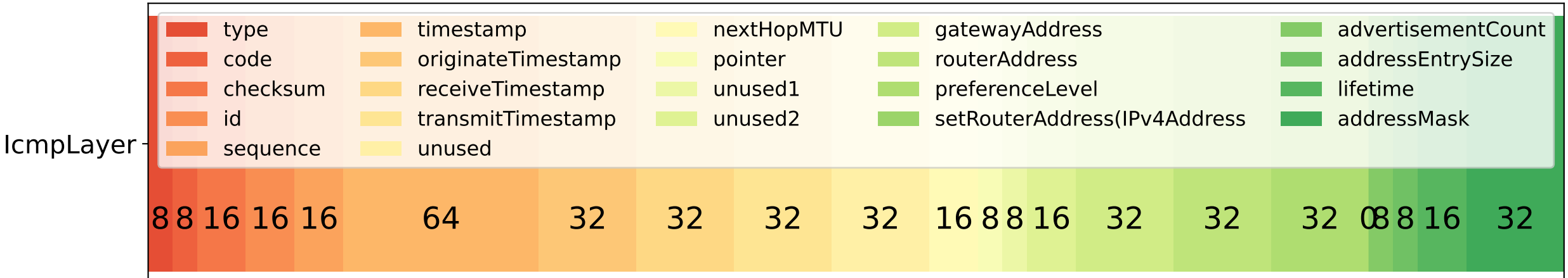
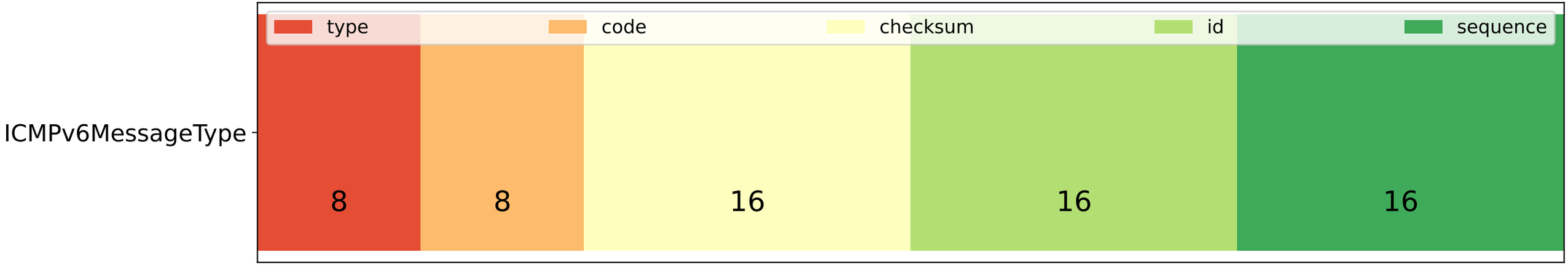
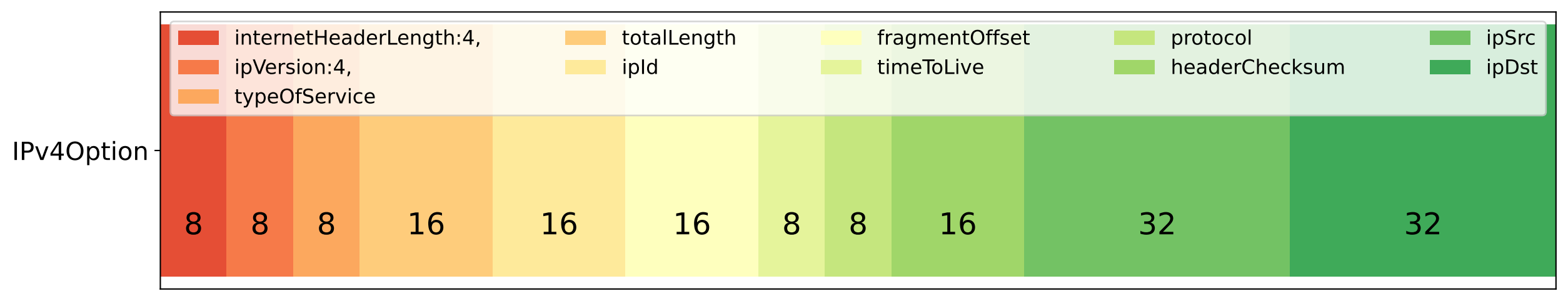
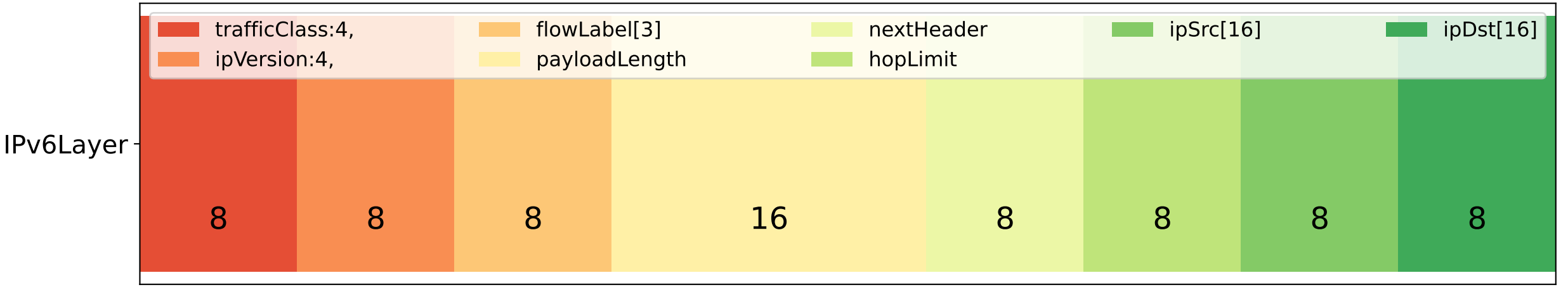
8
16
16


IcmpLayer
type
code
checksum
id
sequence
timestamp
originateTimestamp
receiveTimestamp
transmitTimestamp
unused
nextHopMTU
pointer
unused1
unused2
gatewayAddress
routerAddress
preferenceLevel
setRouterAddress(IPv4Address
advertisementCount
addressEntrySize
lifetime
addressMask
8 8 16 16 16 64 32 32 32 32 16 8 8 16 32 32 32 0 8 8 16 32


ICMPv6MessageType
type
code
checksum
id
sequence
8
8
16
16
16


internetHeaderLength:4,
ipVersion:4,
typeOfService
totalLength
ipId
fragmentOffset
timeToLive
protocol
headerChecksum
ipSrc
ipDst
IPv4Option
8
8
8
16
16
16
8
8
16
32
32


trafficClass:4,
ipVersion:4,
flowLabel[3]
payloadLength
nextHeader
hopLimit
ipSrc[16]
ipDst[16]
IPv6Layer
8
8
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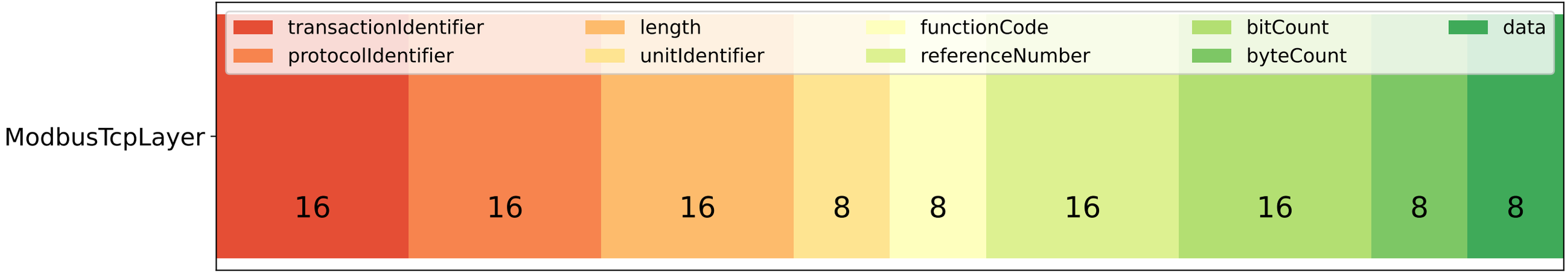
16
8
8
8
8

dsap,
LLCLayer
8


transactionIdentifier
protocolIdentifier
length
unitIdentifier
functionCode
referenceNumber
bitCount
byteCount
data
ModbusTcpLayer
16
16
16
8
8
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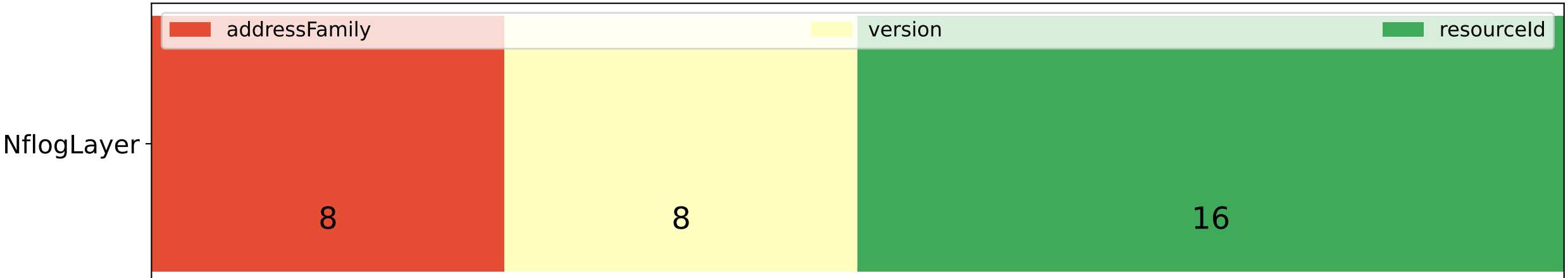
16
8
8

hiLabel
misc
ttl
MplsLayer
16
8
8


addressFamily
version
resourceId
NflogLayer
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8
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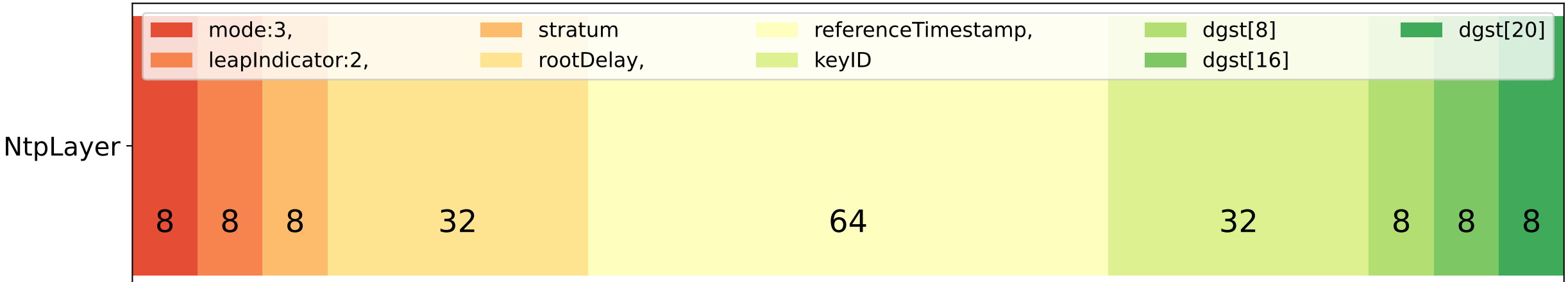
mode:3,
leapIndicator:2,
stratum
rootDelay,
referenceTimestamp,
keyID
dgst[8]
dgst[16]
dgst[20]
NtpLayer
8
8
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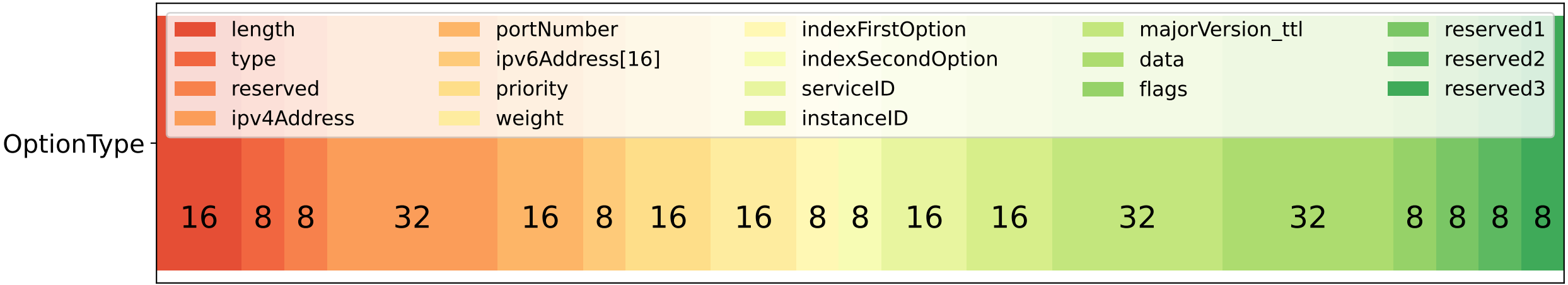
64
32
8
8
8


length
type
reserved
ipv4Address
portNumber
ipv6Address[16]
priority
weight
indexFirstOption
indexSecondOption
serviceID
instanceID
majorVersion_ttl
data
flags
reserved1
reserved2
reserved3
OptionType
16
8
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16
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32
8
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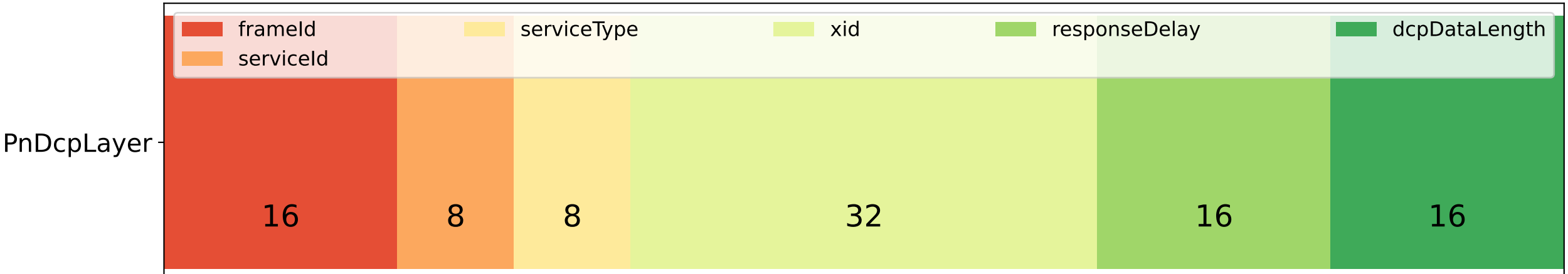
frameId
serviceId
serviceType
xid
responseDelay
dcpDataLength
PnDcpLayer
16
8
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32
16
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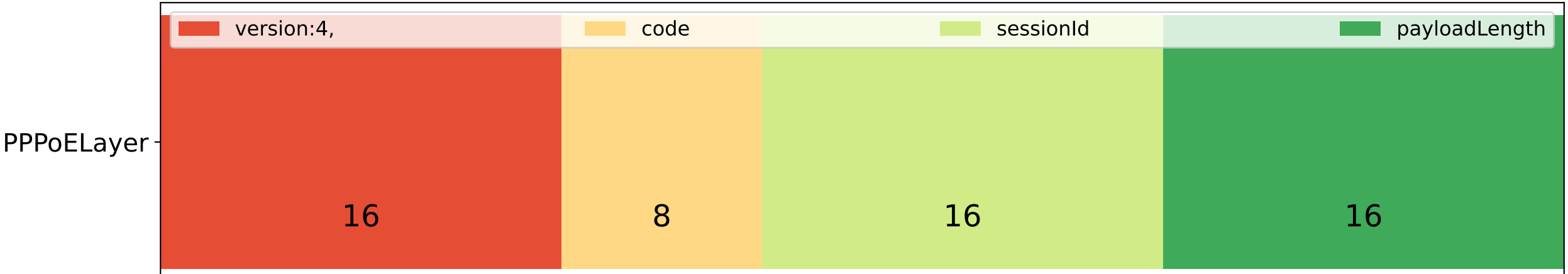
PPPoELayer
version:4,
code
sessionId
payloadLength
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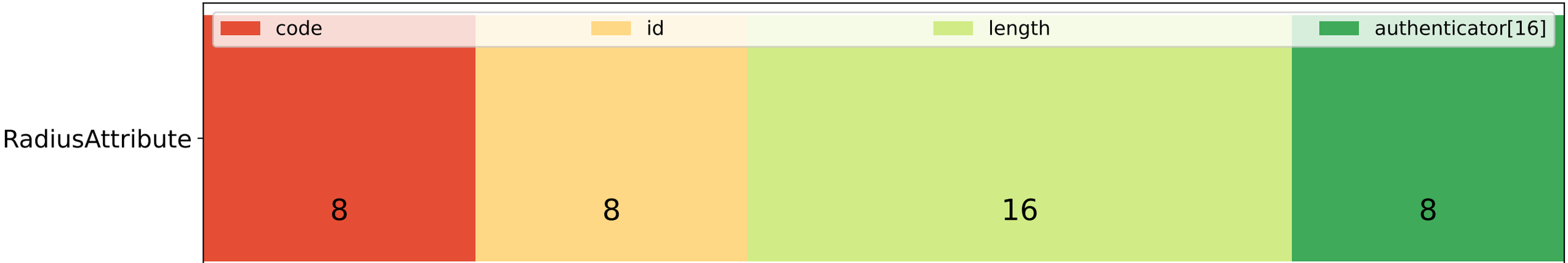
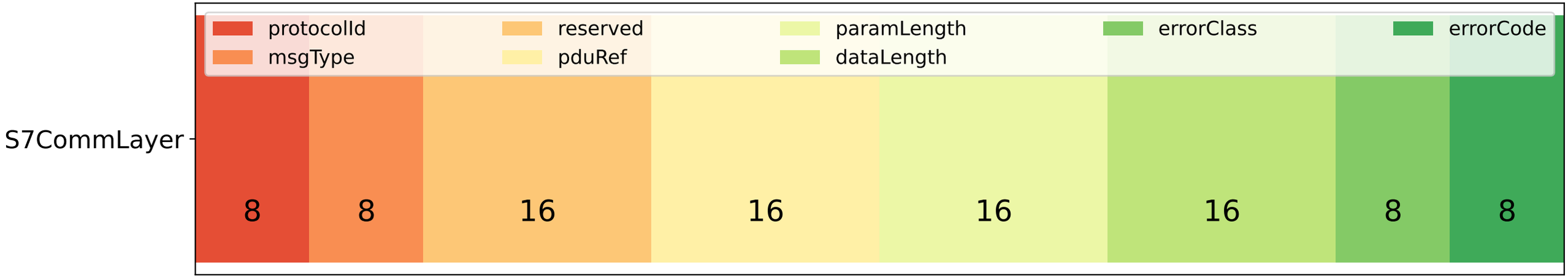
8
16
16


code
id
length
authenticator[16]
RadiusAttribute
8
8
16
8


protocolId
msgType
reserved
pduRef
paramLength
dataLength
errorClass
errorCode
S7CommLayer
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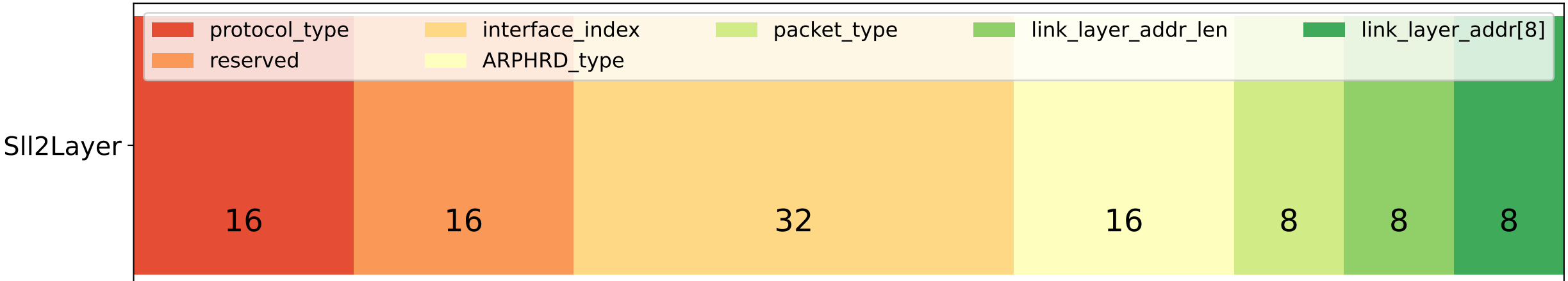
8
8


protocol_type
interface_index
packet_type
link_layer_addr_len
link_layer_addr[8]
reserved
ARPHRD_type
Sll2Layer
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16
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16
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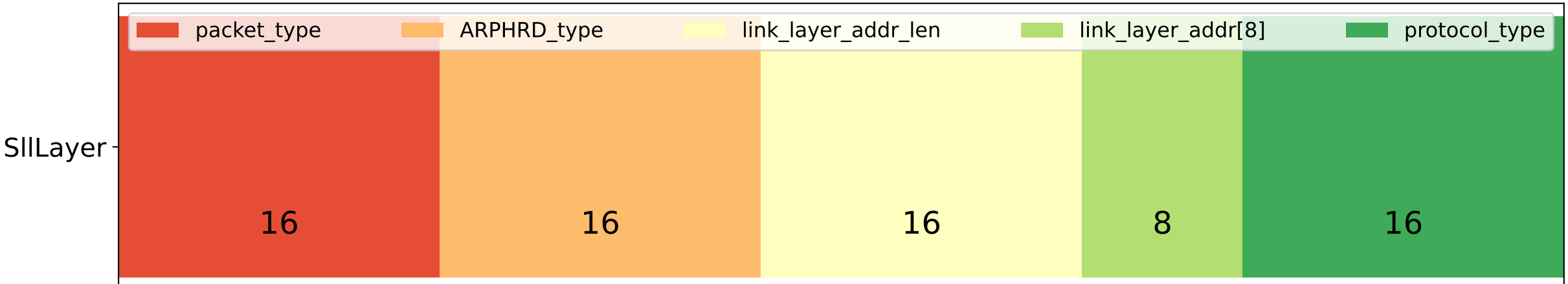
packet_type
ARPHRD_type
link_layer_addr_len
link_layer_addr[8]
protocol_type
SllLayer
16
16
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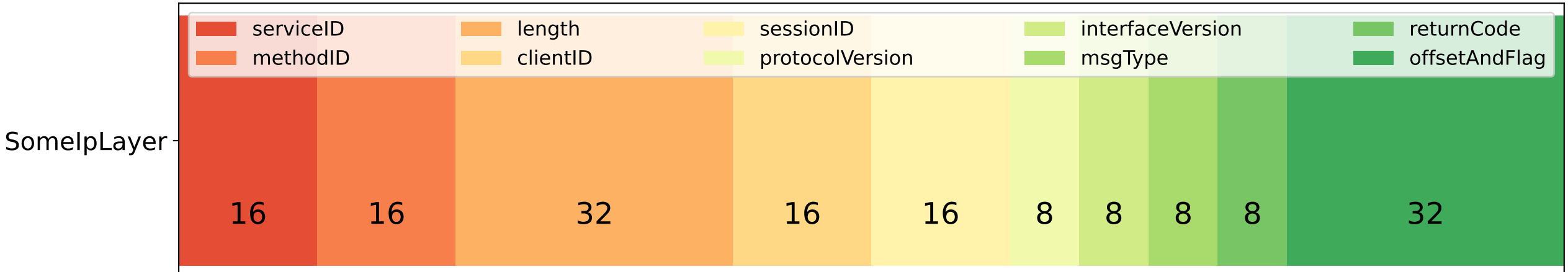
8
16


serviceID
methodID
length
clientID
sessionID
protocolVersion
interfaceVersion
msgType
returnCode
offsetAndFlag
SomeIpLayer
16
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16
8
8
8
8
32

packetLength
paddingLength
messageCode
SSHLayer
32
8
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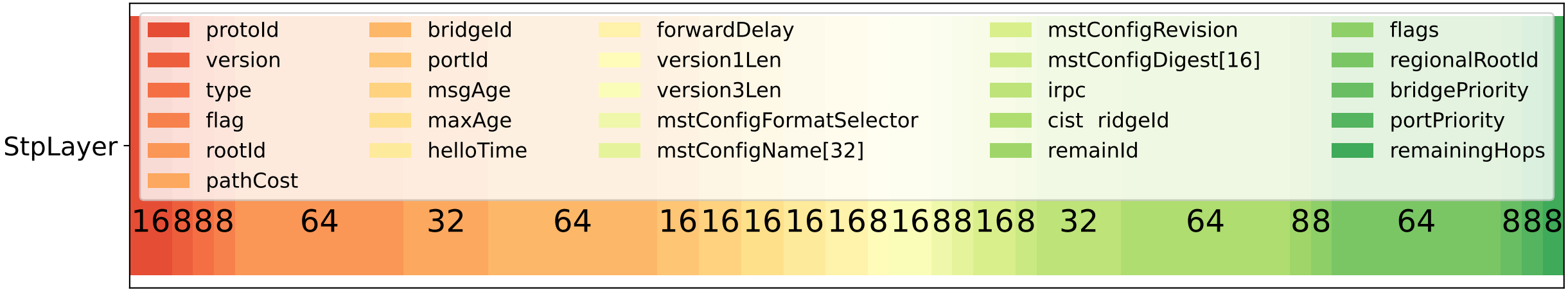
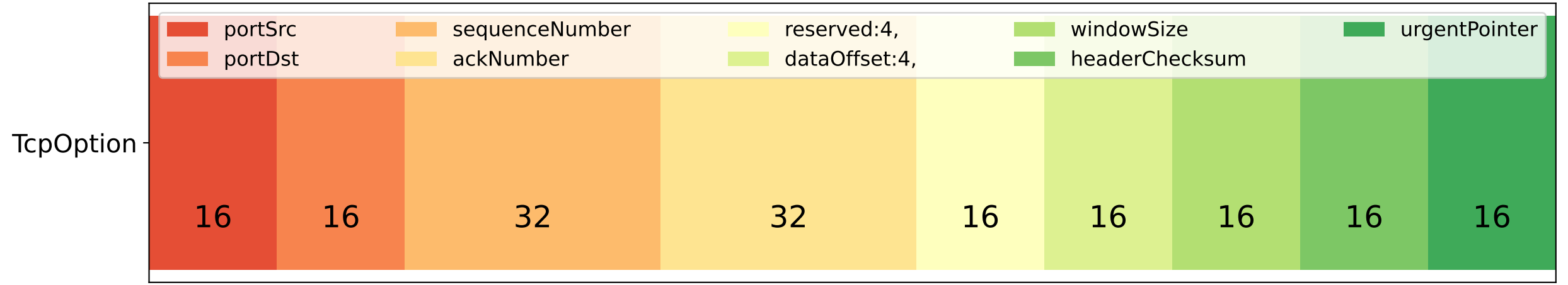

StpLayer
protoId
version
type
flag
rootId
pathCost
bridgeId
portId
msgAge
maxAge
helloTime
forwardDelay
version1Len
version3Len
mstConfigFormatSelector
mstConfigName[32]
mstConfigRevision
mstConfigDigest[16]
irpc
cist ridgeId
remainId
flags
regionalRootId
bridgePriority
portPriority
remainingHops
16 8 8 8 64 32 64 16 16 16 16 16 8 16 8 8 16 8 32 64 8 8 64 8 8 8


portSrc
portDst
sequenceNumber
ackNumber
reserved:4,
dataOffset:4,
windowSize
headerChecksum
urgentPointer
TcpOption
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16
32
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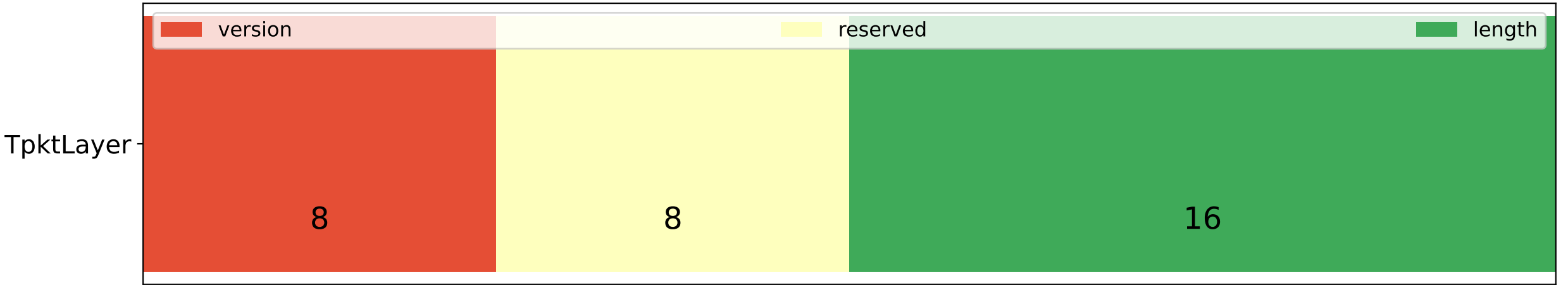
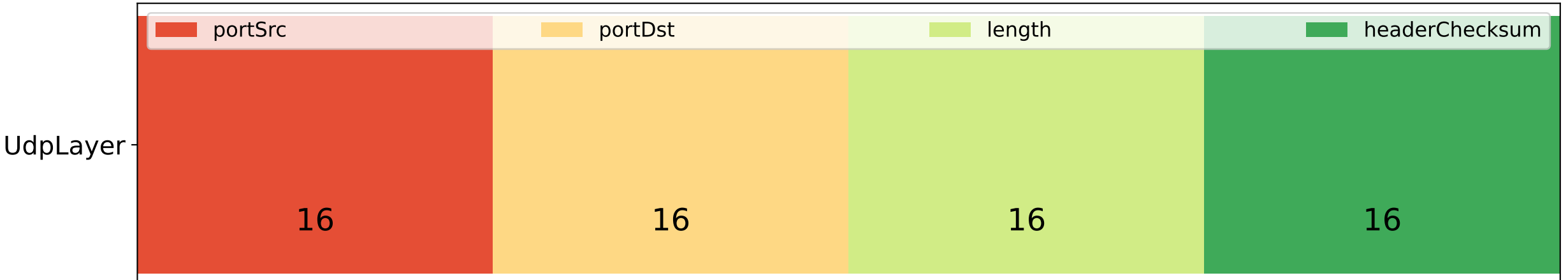
16
16


version
reserved
length
TpktLayer
8
8
16


portSrc
portDst
length
headerChecksum
UdpLayer
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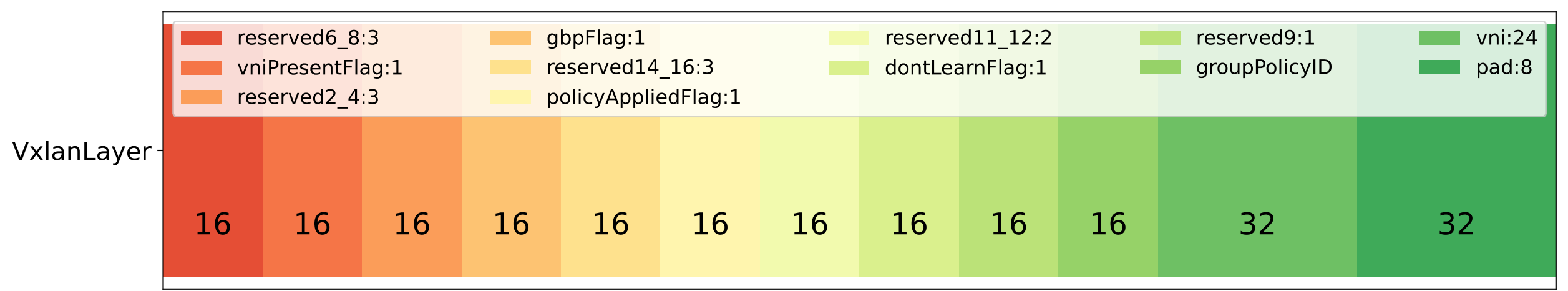
16
16

vlan
etherType
VlanLayer
16
16


reserved6_8:3
vniPresentFlag:1
reserved2_4:3
gbpFlag:1
reserved14_16:3
policyAppliedFlag:1
reserved11_12:2
dontLearnFlag:1
reserved9:1
groupPolicyID
vni:24
pad:8
VxlanLayer
16
16
16
16
16
16
16
16
16
16
32
32

WakeOnLanLayer
sync[6]
addr ody[6
8
8