Q1: The difference between the different digests seem to be the length of them.

Q2:

MD5: 5ffef991b40ca0935151157c13ef6bf7 = 128 bits

SHA1: 55fbbf453041b12bd893b8bb1a2df3a71a0d1e99 = 160 bits

SHA256: 7ef8f221fa5604147f8daa5ace40306fc60ffb1cdb118bcfd98165bac9a4d028 = 256 bits

Q3: No, the size of the key does not seem to affect the result. Every string that I tried, generated a new hash value.

Q4:

HMAC-MD5: 16bba5c568b030a649accf7a1fba0697

HMAC-SHA1: 4bf3b21d9dfbb24d35ab73be0a08f8e910f98d52

HMAC-SHA256: 9f530c6816b4da1074967b1490327c9e5ef217b67132bb4b63a3325ec3365adb

Q5: There does not seem to be any big differences between the hash values generated by each key.

Using MD5: 65 bits similar

Using SHA-256: 105 similar bits