

| Q |  | W |
| :---: | :---: | :---: |
| UniRef9 | H2MAG3 | W |
| UniRef9 | 0-Q86XK2 | W |
| UniRef9 | -K1QUT0 | W |
| UniRef9 | 90-V4B7T3 | W |
| UniRef9 | 90_UPI0003C4C8FB | W |
| UniRef9 | $90-U P 1000442282 B$ | W |
| UniRef9 | 90-B7PBI2 | W |
| UniRef9 | 90- Q7PY35 | W |
| UniRef9 | 90_UPI000350044E | W |
| UniRef9 | B4JGF1 | W |
| UniRef9 | C3YLM6 | W |
| UniRef9 | 90-UPI0002039041 | W |
| UniRef9 | 90-Q9VAK7 | W |
| UniRef9 | 90-X1XWI2 | W |
| UniRef9 | 90-J9JMF6 | W |
| UniRef9 | 90_UPI0003331B2B | W |
| UniRef9 | 90-A7SFZ7 | W |
| UniRef9 | $0^{-} \mathrm{FOU9H7}$ | W |
| UniRef9 | F8Q7X1 | W |
| UniRef9 | 90-W6UQV6 | W |
| UniRef9 | O-D5G4G3 | W |
| UniRef9 | 90-E9DZX0 | W |
| UniRef9 | 90-K1PJL0 | W |
| UniRef9 | 90_B4K218 | W |
| UniRef9 | O_UPI0003F080B1 | W |
| UniRef9 | 90-B6JXQ1 | W |
| UniRef9 | 90-W2SAF6 | W |
| UniRef9 | R7U3F4 | W |
| UniRef9 | UPI000225B45D | W |
| UniRef9 | 90 -11FJG3 | W |
| UniRef9 | 90-N1JBT0 | W |
| UniRef9 | 90-F7C7W1 | W |
| UniRef9 | 90-UPI0003593F4C | W |
| UniRef9 | 90-A0A023G3M1 | W |
| UniRef9 | 90-A7TNL2 | W |
| UniRef9 | 90_UPI00038913C4 | W |
| UniRef9 | 0-G1PTF2 | W |
| UniRef9 | - M3D5U7 | W |
| UniRef9 | 90_V9L9N2 | W |
| UniRef9 | - UPI0002658011 | W |
| UniRef9 | 90_UPI0001FE3272 | W |
| UniRef9 | 90_L8X6R1 | W |
| UniRef9 | 90_V3YWM3 | W |
| UniRef9 | 90_E9Cl41 | W |
| UniRef9 | 90-Q6FLT6 | W |
| UniRef9 | $90^{-B 0 W X G 5}$ | W |
| UniRef9 | 90-11GG99 | W |
| UniRef9 | 90-H3B586 | N |
| UniRef9 | 90-Q7QKJ7 | N |
| UniRef9 | 90-C3Z3W2 | N |
| UniRef9 | 90-H2V4D6 | N |
| UniRef9 | 90-A7SG64 | W |
| UniRef9 | 90-K2SD03 | N |
| UniRef9 | 90-V9LGS4 | N |
| UniRef9 | - L8GMG9 | W |
| UniRef9 | 90-M2XKI9 | W |
| UniRef9 | 0-D2UZK0 | W |
| UniRef9 | 90-R7UTF4 | N |
| UniRef9 | 90-W5MUF8 | N |
| UniRef9 | -E1ZWC0 | N |
| UniRef9 | 0-G5AUZ3 | W |
| UniRef9 | 90-M9LX60 | N |
| UniRef9 | 90-A0A023EYH6 | W |
| UniRef9 | 90-T1KAU9 | W |
| UniRef9 | 90-UPI00034FA3BE | W |
| UniRef9 | 90-U6HGQ3 | W |
| UniRef9 | 90- Q59MB0 | W |
| UniRef9 | 0-B8PEB1 | W |
| UniRef9 | 90-M7SFY2 | W |
| UniRef9 | 90-H2ZZY5 | W |
| UniRef9 | 90_A5DVK4 | W |
| UniRef9 | 90_R0EY68 | W |
| UniRef9 | 90-Q94251 | W |
| UniRef9 | 90-M7CF08 | W |
| UniRef9 | 90-R7T4P4 | W |
| UniRef9 | 90_UPI000359B139 | W |
| UniRef9 | 90 C1LG35 | W |
| UniRef9 | 90-G0S600 | W |
| UniRef9 | 90-J3LFY4 | W |
| UniRef9 | 90-L2FBK5 | W |
| UniRef9 | 0_D6WAS5 | W |
| UniRef9 | 90 U7Q618 |  |
| UniRef9 | 90-W1QIZ2 | W |
| UniRef9 | 90_R9P6R9 | W |
| UniRef9 | 90-S8B4H4 | W |
| UniRef9 | 0-B4FMN1 | W |
| UniRef9 | 90_UPI00032A80E7 | W |
| UniRef9 | 90-M1VZQ0 | W |
| UniRef9 | 90-G4LUA4 | W |
| UniRef9 | 90_K1RAY8 | W |
| UniRef9 | 90_R7TJ08 |  |





| UniRef90 | UPI000454550E | W |
| :---: | :---: | :---: |
| UniRef90 | J9VUV6 |  |
| UniRef90 | S4W3Z1 |  |
| UniRef90 | B9GHJ8 |  |
| UniRef90 | E3JX41 |  |
| UniRef90 | S0F3M8 | W |
| UniRef90 | E9C582 |  |
| UniRef90 | A9SL25 |  |
| UniRef90 | B6Q100 | W |
| UniRef90 | A0A026WL65 |  |
| UniRef90 | L8HD60 |  |
| UniRef90- | G3SX62 | W |
| UniRef90 | D2A5L6 |  |
| UniRef90 | Q54100 |  |
| UniRef90 | UPI0003C13939 | W |
| UniRef90 | J7RQM9 |  |
| UniRef90 | UPI0003EDC7FF | W |
| UniRef90 | V5H4T1 | W |
| UniRef90 | R7UIW2 |  |
| UniRef90 | Q5FWF7 |  |
| UniRef90 | P53699 | W |
| UniRef90 | A6QXF0 |  |
| UniRef90 | Q04511 |  |
| UniRef90 | Q8B157 |  |
| UniRef90 | UPI00032AF16A |  |
| UniRef90 | T1PF17 | W |
| UniRef90 | M2XUF7 | W |
| UniRef90 | V8P4C8 |  |
| UniRef90 | H9KPR3 |  |
| UniRef90 | F6Z465 | W |
| UniRef90 | I1BKX3 |  |
| UniRef90 | Q8T2T4 |  |
| UniRef90 | E1FGS9 | W |
| UniRef90 | Q3T0J1 |  |
| UniRef90 | UPI00044351C5 | W |
| UniRef90 | D3BPX7 | W |
| UniRef90 | B2W2M3 |  |
| UniRef90 | T1JH37 | W |
| UniRef90 | Q070P0 |  |
| UniRef90 | E1FPE9 |  |
| UniRef90 | W3X755 | W |
| UniRef90 | A0A024JG23 |  |
| UniRef90 | F6TDN1 |  |
| UniRef90 | W4K0D9 | W |
| UniRef90 | UPI000389094E | W |
| UniRef90 | L8GSC5 |  |
| UniRef90 | J9JNS5 |  |
| UniRef90 | G3NLL2 |  |
| UniRef90 | D6YWJ8 |  |
| UniRef90 | G9ERY6 |  |
| UniRef90 | A7T204 |  |
| UniRef90 | L8GNY1 |  |
| UniRef90 | T5ADX8 | w |
| UniRef90 | J9K0S0 |  |
| UniRef90 | L8HHG1 | W |
| UniRef90 | UPI0003599C79 |  |
| UniRef90 | B9GM21 |  |
| UniRef90 | L8GG50 |  |
| UniRef90 | G7ZYR5 |  |
| UniRef90 | 17GHP1 |  |
| UniRef90 | L8HC96 |  |
| UniRef90 | I1BH50 | W |
| UniRef90 | G3Q0P5 | W |
| UniRef90 | S7ZLK9 |  |
| UniRef90 | D8RF99 | W |
| UniRef90 | H2VF02 |  |
| UniRef90 | T1ED78 |  |
| UniRef90 | M3ZFR7 | W |
| UniRef90 | A7RWR2 |  |
| UniRef90 | V4TKH2 |  |
| UniRef90 | Q2H8E8 | W |
| UniRef90 | A9T7N2 |  |
| UniRef90 | G8YH19 |  |
| UniRef90 | I1FUX8 |  |
| UniRef90 | UPI0002B442E8 |  |
| UniRef90 | E9C247 |  |
| UniRef90 | A7SGI7 |  |
| UniRef90 | UPI0002C45EB8 | W |
| UniRef90- | L8GVW1 | W |
| UniRef90 | E9C5Z2 | W |
| UniRef90 | U5EVC8 | W |
| UniRef90 | S2J3Z0 | W |
| UniRef90 | UPI0002C42A45 |  |
| UniRef90 | L8GSM2 | W |
| UniRef90 | L8H977 | W |
| UniRef90 | T1KGR6 |  |
| UniRef90 | B6TTS5 |  |
| UniRef90 | E9C7T7 | W |
| UniRef90 | J9KAQ1 |  |
| UniRef90 | F1RC78 | W |
| UniRef90 | UPI0003330970 |  |
| UniRef90 | I1NCH0 |  |

(q)

| UniRef90_W5FJ28 |  |  |
| :---: | :---: | :---: |
| UniRef | A2QPC9 | W |
| UniRef90 | -Q070N7 | W |
| UniRef90 | Q2GXU3 | W |
| UniRef90 | UPI0003F4928 |  |
| UniRef90 | G0 |  |
| UniRef90 | W |  |
| UniRef90-D8SK90 |  |  |
| UniRef90 | -S4VWV5 |  |
| UniRef90-W5JUB1 |  |  |
| UniRef90-A7SK01 |  |  |
| UniRef90 | UPI0004 |  |
| UniRef90_UPI0004413090 WUniRef90 G2YA33 |  |  |
|  |  |  |
| UniRef90-A8Y306 |  |  |
| UniRef90 | -U5HJE5 |  |
| UniRef90_UPI0003941ABF W |  |  |
| UniRef90 | -L8H4U1 | W |
| UniRef90_F2DA61 |  |  |
| UniRef90 | -H9KBR0 |  |
| UniRef90_UPI0003EC2CEE W |  |  |
| UniRef90 | -K1WZI6 | W |
| UniRef90_UPI0003318B99 W |  |  |
| UniRef90 | U9ST88 | W |
| UniRef90-C5GX12 W |  |  |
| UniRef90 | E0VAH8 | W |
| UniRef90_I2G578 W |  |  |
| UniRef90 | -UPI000394 | W |
| UniRef90_A9S679 W |  |  |
| UniRef90 | -UPI00026546C5 | W |
| UniRef90_W9XFK4 W |  |  |
| UniRef90_F8P6Z2 W W |  |  |
|  |  |  |
| UniRef90 | R7YL84 |  |
| UniRef90-E2C098 |  |  |
| UniRef90_V4U9Y4 |  |  |
| UniRef90-R7TZE7 W |  |  |
| UniRef90 | T1IWE7 | W |
| UniRef90_G3NDF3 W |  |  |
| UniRef90-E9QBZ9 |  |  |
| UniRef90_V4LVY9 W |  |  |
| UniRef90 | -R9AEG2 | W |
| UniRef90_G2YGW8 W |  |  |
| UniRef90_B8BIB0 |  |  |
| UniRef90 | UPI0003834EA5 | W |
| UniRef90_UPI0002743F6A W |  |  |
| $\begin{array}{ll}\text { UniRef90_UPI0004542144 } & \text { W } \\ \text { UniRef90 A0A059CFL5 } & \text { W }\end{array}$ |  |  |
|  |  |  |
| UniRef90-G0VBZ7 |  |  |
| UniRef90_E3Q3U4 |  |  |
| UniRef90-I1RZS2 |  |  |
| UniRef90-M8C0H3 |  |  |
| UniRef90_W8B3I4 |  |  |
| UniRef90-L8HGC5 |  |  |
| UniRef90-B9TI18 |  |  |
| UniRef90-B9R772 |  |  |
| UniRef90 | -L8HHE3 | W |
| UniRef90 | -I1JVM7 | W |
| UniRef90 | -D2VFX3 |  |
| UniRef90-W5F9N6 |  |  |
| UniRef90-UPI0003EAB19C W |  |  |
| UniRef90_F0XGP4 |  |  |
| UniRef90-UPI000273DAEF WUniRef90 E1C3J3 |  |  |
|  |  |  |
| UniRef90_A0A026WTY2 |  |  |
| UniRef90_UPI00042B4577 |  |  |
| UniRef90_U9T068 |  |  |
| UniRef90 | R7QPL7 |  |
| UniRef90 | UPI000350C3FD | W |
| UniRef90 | -UPI0003BDBF9A | W |
| UniRef90 | S4W2U3 | W |
| UniRef90 | _S8AJ14 | W |
| UniRef90_E3S811 |  |  |
| UniRef90-W5JGV6 |  |  |
| UniRef90-U3KGU5 |  |  |
| UniRef90 K7G900 |  |  |
| UniRef90_UPI00034F8759 W |  |  |
| UniRef90-11HQ19 |  |  |
| UniRef90-L8HBL8 |  |  |
| UniRef90-W9RAC1 |  |  |
| UniRef90_K1QW07 |  |  |
| UniRef90-G1KQB2 |  |  |
| UniRef90 L5LDA9 W |  |  |
| UniRef90-A0A044R7B1 |  |  |
| UniRef90-M7NW94 |  |  |
| UniRef90_C5YHC3 |  |  |
| UniRef90_Q1RQ05 |  |  |
| UniRef90-T5A2G9 W |  |  |
| UniRef90_UPIO002C36B3C W <br> UniRef90_B4GVC3 Y <br> UniRef90_C6H6K1 W |  |  |
|  |  |  |
|  |  |  |



| UniRe | B3S3F8 | W |
| :---: | :---: | :---: |
| UniRef9 | --D7LYV6 | W |
| UniRef9 | -K7FXD3 | W |
| UniRef9 | O-Q91BH3 | W |
| UniRef9 | -GORVX4 |  |
| UniRef9 | -W8AY41 | W |
| UniRef9 | --K91WJ4 |  |
| UniRef9 | --U7Q5K1 |  |
| UniRef9 | --D5GKH9 | W |
| UniRef9 | -UPI00046CA7C9 |  |
| UniRef9 | --F6HSY6 | W |
| UniRef9 | --M7TXC0 |  |
| UniRef9 | -V5EU56 |  |
| UniRef9 | -Q7S0D2 |  |
| UniRef9 | -S3CGZ5 | W |
| UniRef9 | -Q4RJC4 |  |
| UniRef9 | --M4EZI6 | w |
| UniRef9 | -IIJU10 | W |
| UniRef9 | -_F9F299 |  |
| UniRef9 | - S7ZHR0 |  |
| UniRef9 | --D7TL20 |  |
| UniRef9 | -_V5GVG9 |  |
| UniRef9 | -W6ZEG5 |  |
| UniRef9 | -K3Z6U9 |  |
| UniRef9 | -_L8GHD8 |  |
| UniRef9 | --G2R6Y4 |  |
| UniRef9 | -_UPI0002C33105 |  |
| UniRef9 | -UPI000350A5CF |  |
| UniRef9 | -I1GNS1 |  |
| UniRef9 | -G8UX42 |  |
| UniRef9 | -M1VVH0 |  |
| UniRef9 | - M2UUZ6 |  |
| UniRef9 | -N1JMN5 |  |
| UniRef9 | -UPI0003F493DC |  |
| UniRef9 | --F4PVV2 |  |
| UniRef9 | -_G719U7 |  |
| UniRef9 | -MOTXP2 |  |
| UniRef9 | - B0XCY1 |  |
| UniRef9 | -C1BUN1 |  |
| UniRef9 | -V9F9K6 |  |
| UniRef9 | -G7KDE7 |  |
| UniRef9 | --I1GQT1 |  |
| UniRef9 | -B91503 |  |
| UniRef9 | -_M2MTI4 |  |
| UniRef9 | O_UPI00039909BF |  |
| UniRef9 | S4W3J6 |  |
| UniRef9 | -UPI0002C34C44 |  |
| UniRef9 | -W9RFX6 |  |
| UniRef9 | -F7VVD5 | W |
| UniRef9 | -R7T810 |  |
| UniRef9 | - B8MAJ0 |  |
| UniRef9 | -A9NW14 |  |
| UniRef9 | -_UPI00046C0020 |  |
| UniRef9 | -W1Q103 |  |
| UniRef9 | -UPI000329D7F5 |  |
| UniRef9 | --M1W089 |  |
| UniRef9 | --UPI00038726C1 |  |
| UniRef9 | -_ROIKP5 |  |
| UniRef9 | -M5EC56 |  |
| UniRef9 | --UPI000443B312 |  |
| UniRef9 | -A2BHN6 |  |
| UniRef9 | -Q17BC3 |  |
| UniRef9 | -K71YJ7 |  |
| UniRef9 | --E6QYE6 | W |
| UniRef9 | -S4W5W9 |  |
| UniRef9 | -_L8HJA9 |  |
| UniRef9 | --H3AZN6 |  |
| UniRef9 | - B0XHT9 |  |
| UniRef9 | -UPI0003F0B723 | W |
| UniRef9 | --C5FL98 |  |
| UniRef9 | O-Q338L7 |  |
| UniRef9 | -_UPI0003C00410 |  |
| UniRef9 | --A7SHY7 |  |
| UniRef9 | --E5S2H8 |  |
| UniRef9 | -UPI0002B4CBFB |  |
| UniRef9 | --A7T4V7 |  |
| UniRef9 | -UPI0004621CB1 | W |
| UniRef9 | -L8H7R7 |  |
| UniRef9 | --L8GXC3 |  |
| UniRef9 | O-EOVT38 | W |
| UniRef9 | -_C9J0Y7 |  |
| UniRef9 | -C5X5Q0 |  |
| UniRef9 | -UPI0003597958 | W |
| UniRef9 | -_I1BSX0 |  |
| UniRef9 | - A0A024U7A8 |  |
| UniRef9 | -H2XKE5 | W |
| UniRef9 | -D2HZF9 |  |
| UniRef9 | -W4ZR50 |  |
| UniRef9 | - D8TTM0 |  |
| UniRef9 | -UPI0002C3199B |  |
| UniRef9 | -A5DFW8 |  |
| UniRef9 | O-G5AM95 |  |








```
UniRef90_M0TWY6
UniRef90-JOLIN
UniRef90-R4WQA9
UniRef90-N1QX00
UniRef90-M4EEH0
UniRef90-A4UV29
UniRef90-Q9C626
UniRef90-M8BM83
UniRef90 FOZK20
UniRef90-A9RIS8
UniRef90_Q7G6C2
UniRef90-D2W0T6
UniRef90-UPI0004414004
UniRef90-T1JBW5
UniRef90-M7YYV7
UniRef90_Q231B8
UniRef90 UPI0004415BB2
UniRef90-M5XJ92
UniRef90-B0XKL1
UniRef90_UPIO0032AD218
```




```
UniRef90_MOTWY6 W
UniRef90-J0LIN4
UniRef90 R4WQAO
UniRef90-N1QX00
UniRef90-M4EEH0
UniRef90 A4UV29
UniRef90- Q9C626
UniRef90_M8BM83
UniRef90 FOZK20```

